



COMUNE DI CHIETI
VI SETTORE – ASSETTO DEL TERRITORIO

CLASSIFICAZIONE ACUSTICA DEL TERRITORIO
“Elaborato contenente le Schede dei rilievi fonometrici”

2/2

Il Sindaco
Dott. Francesco Ricci

Gruppo di Lavoro
Arch. Enzo PAOLINI
Arch. Lucia MORRETTI

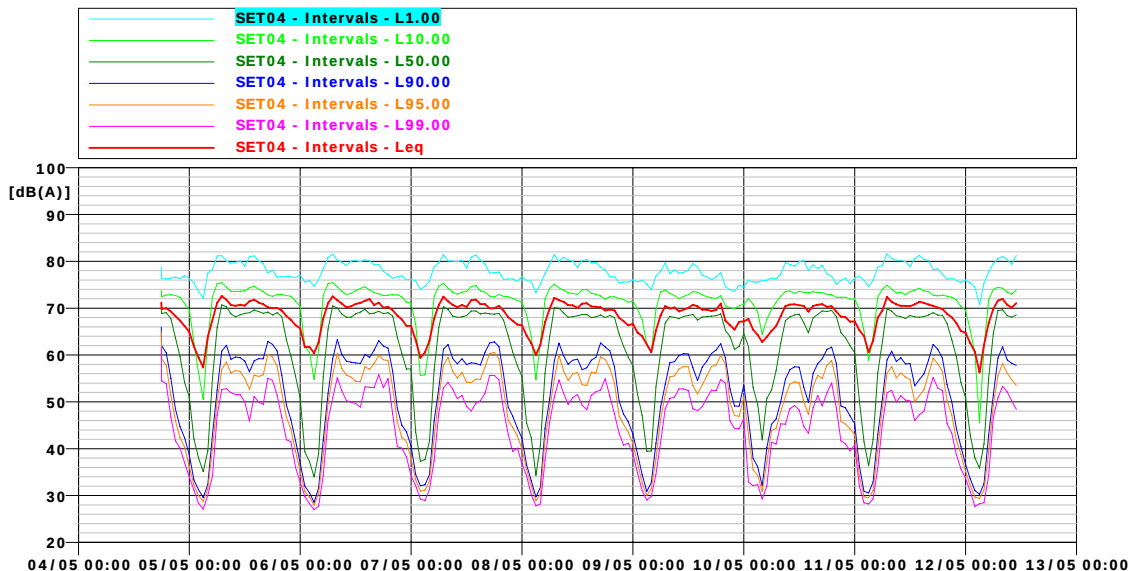
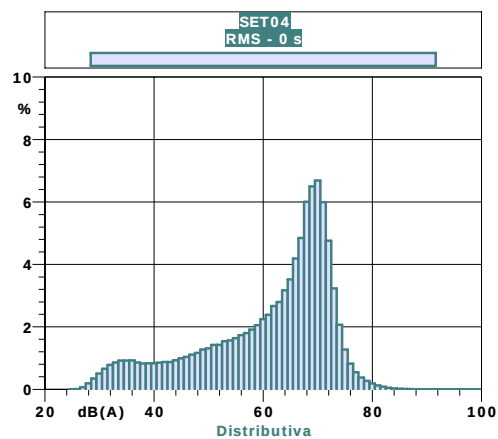
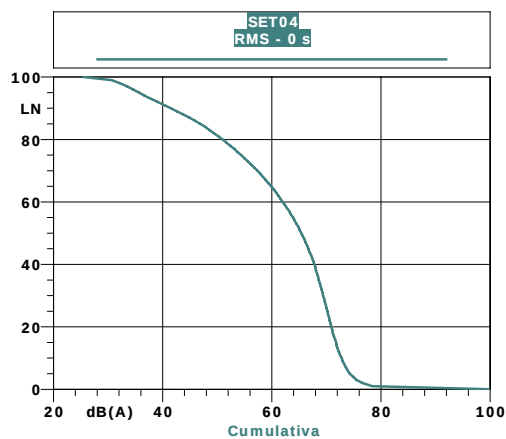
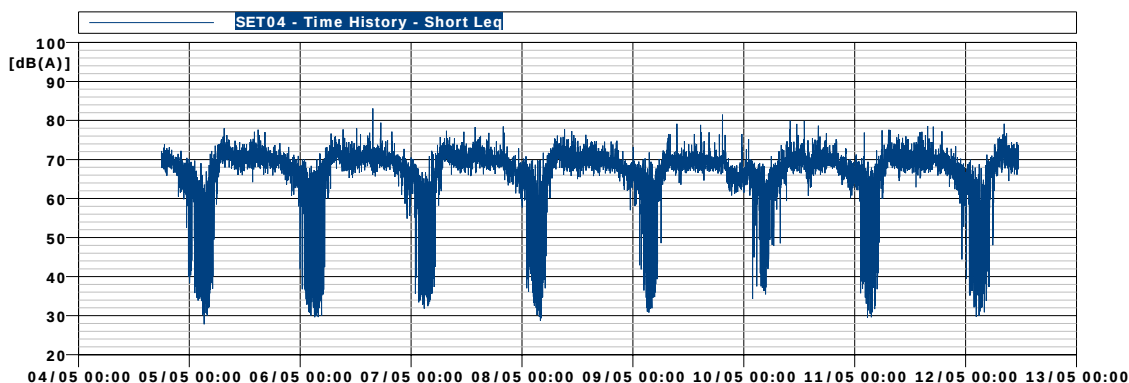
Consulente
Dott. Massimo GIUSTI

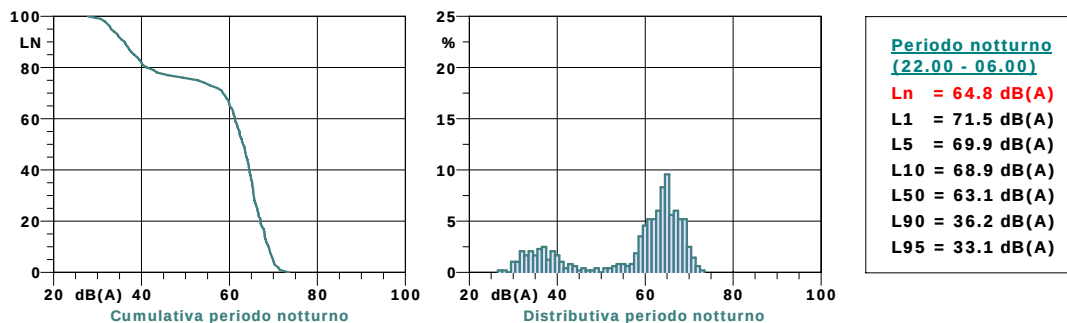
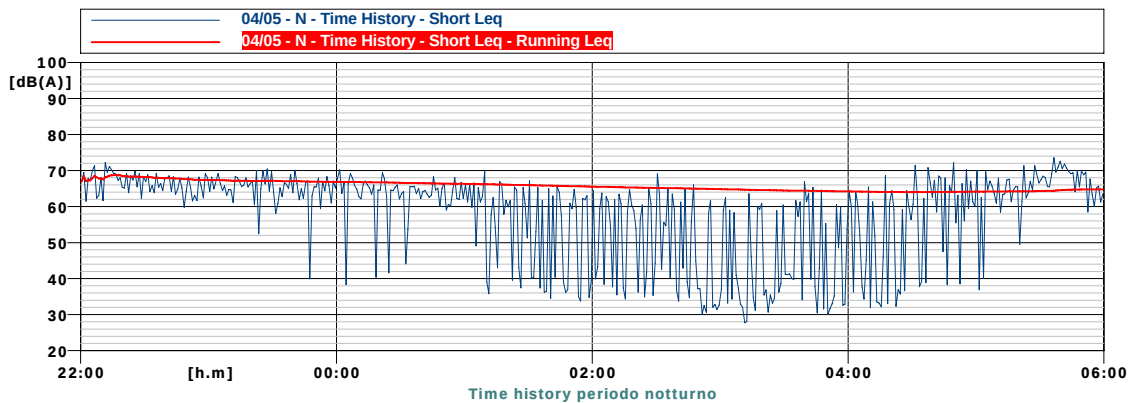
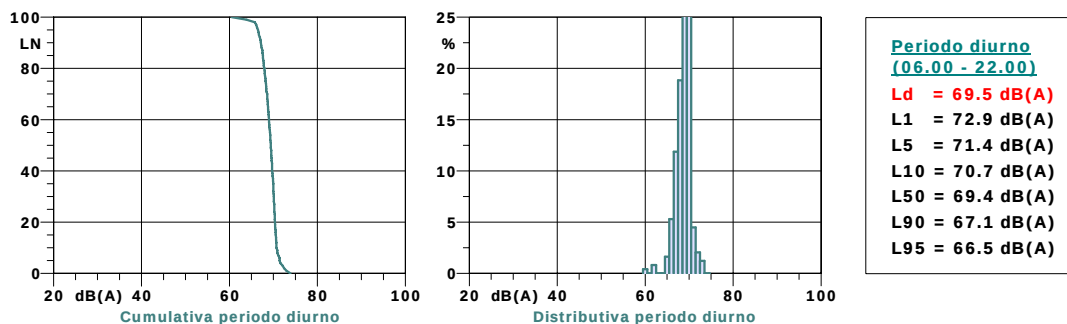
Elaborazioni cartografiche SIT Comune di Chieti
Ing. Francesco CHIRICO
Dott. Mauro ZAPPALORTO
Geom. Valentino DI LIBERATO

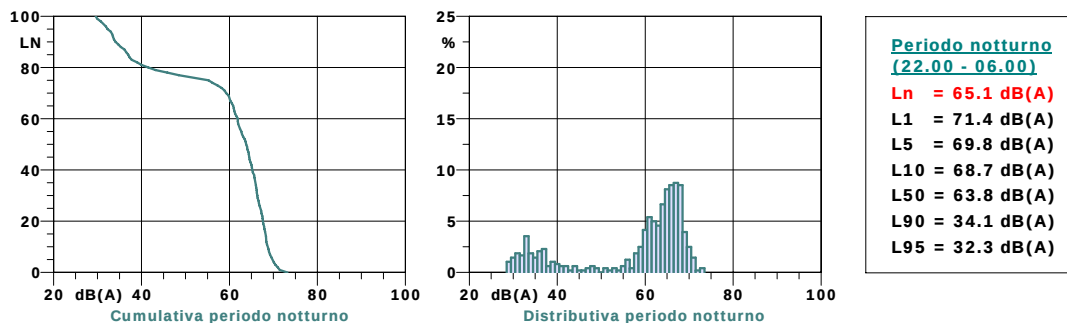
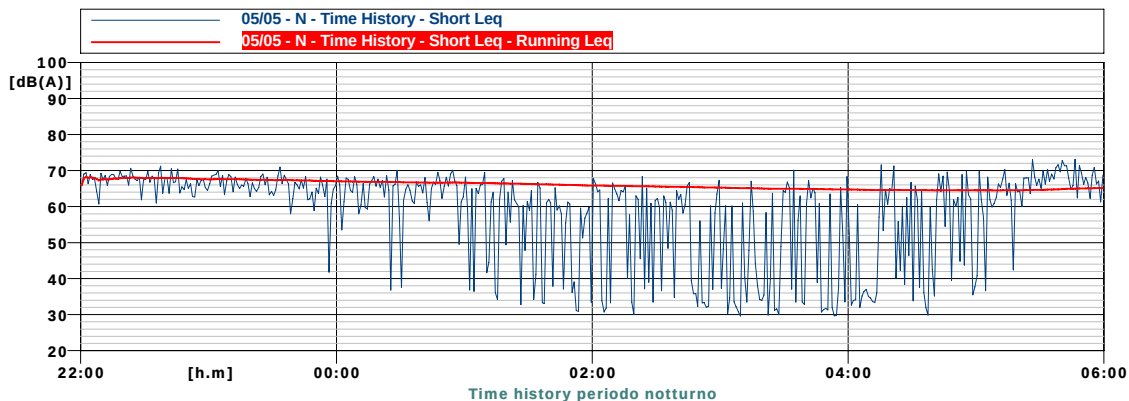
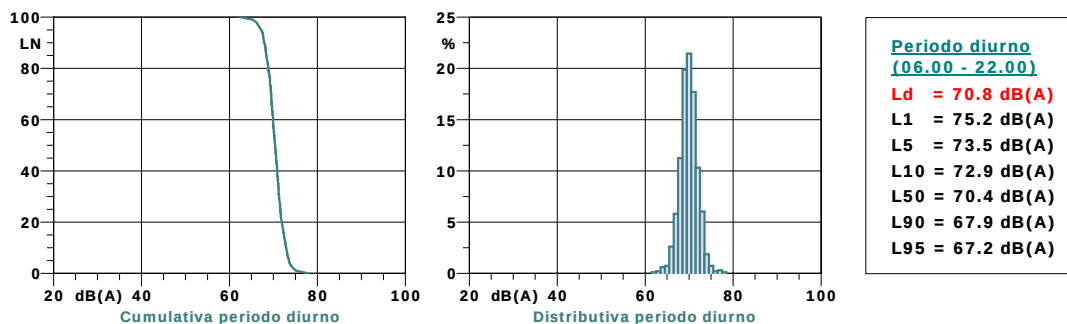
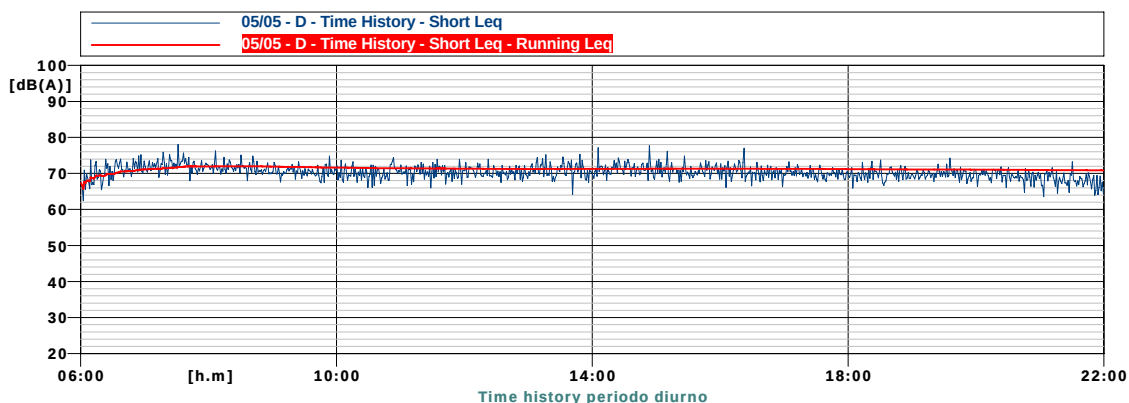
SET04

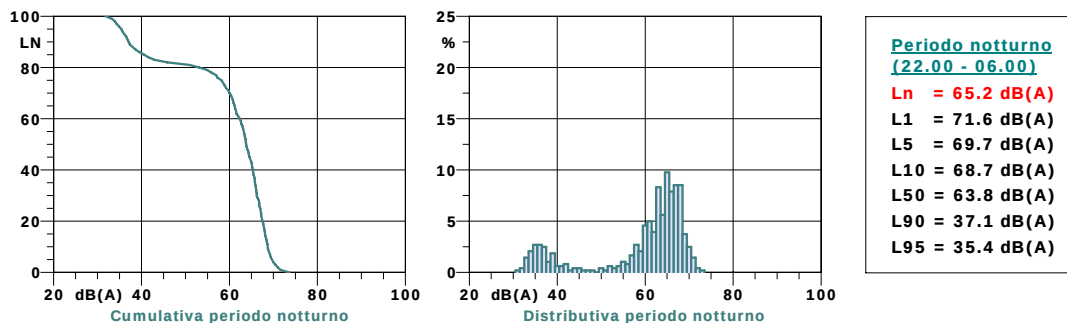
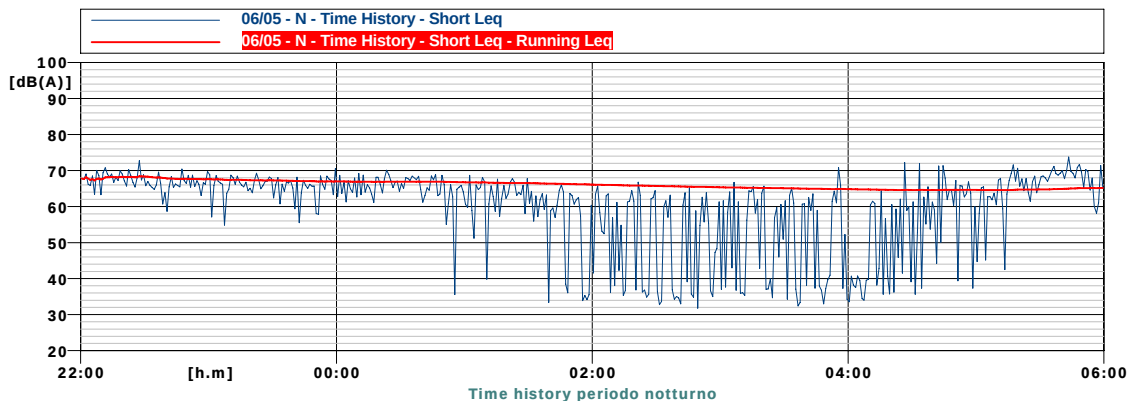
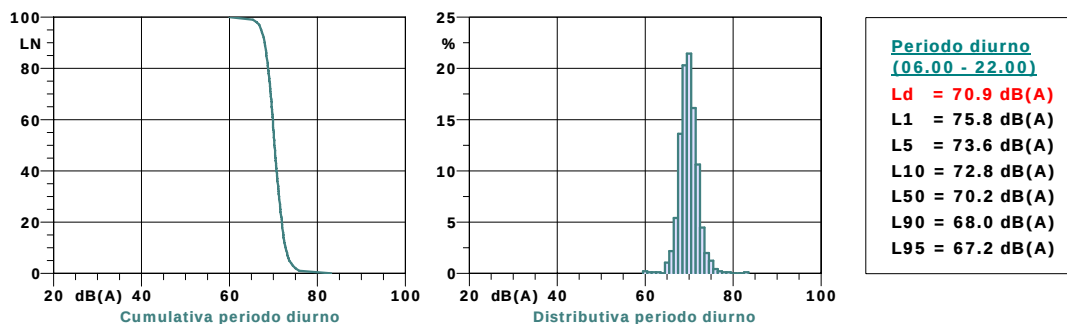
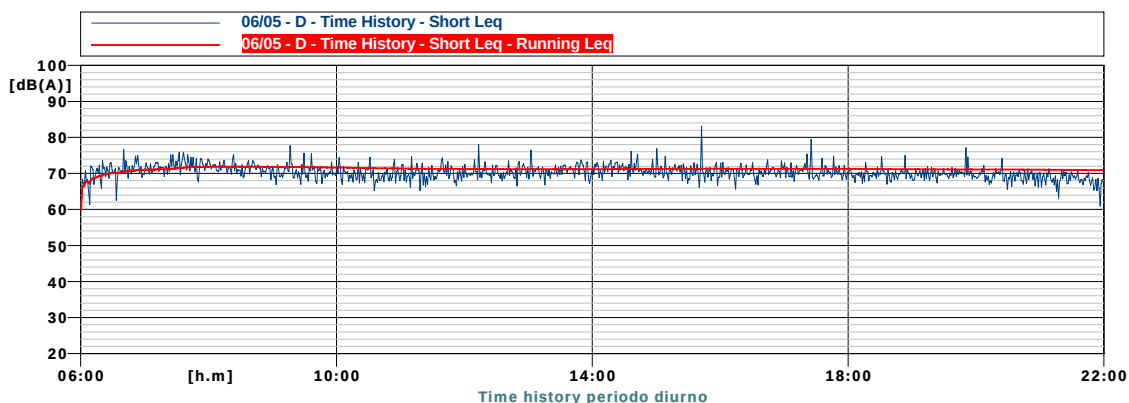


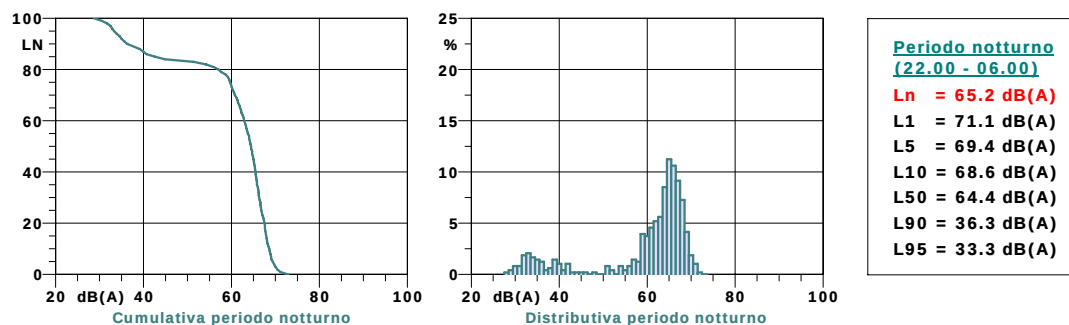
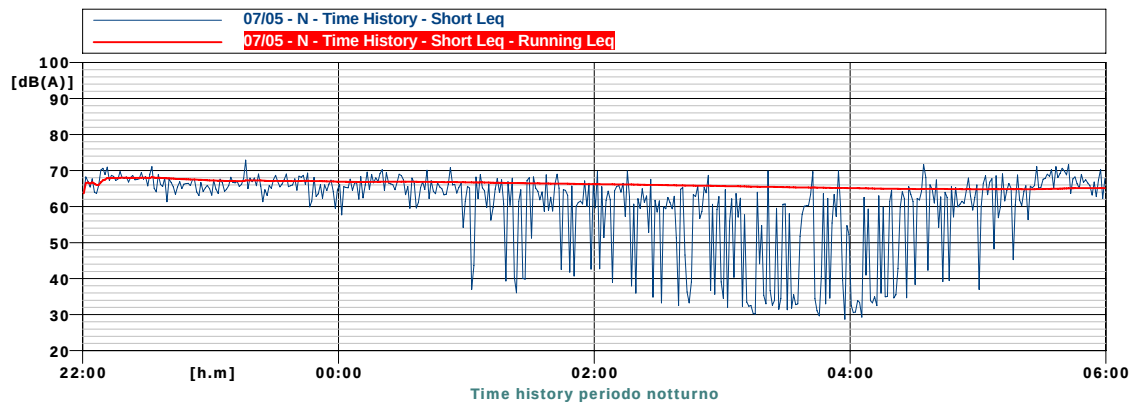
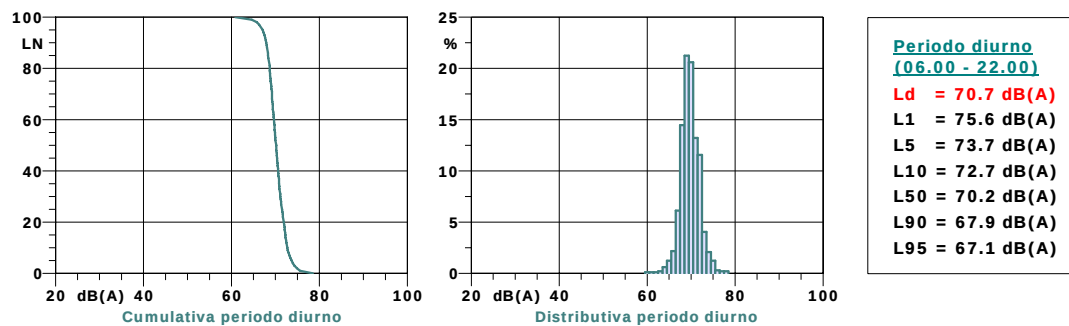
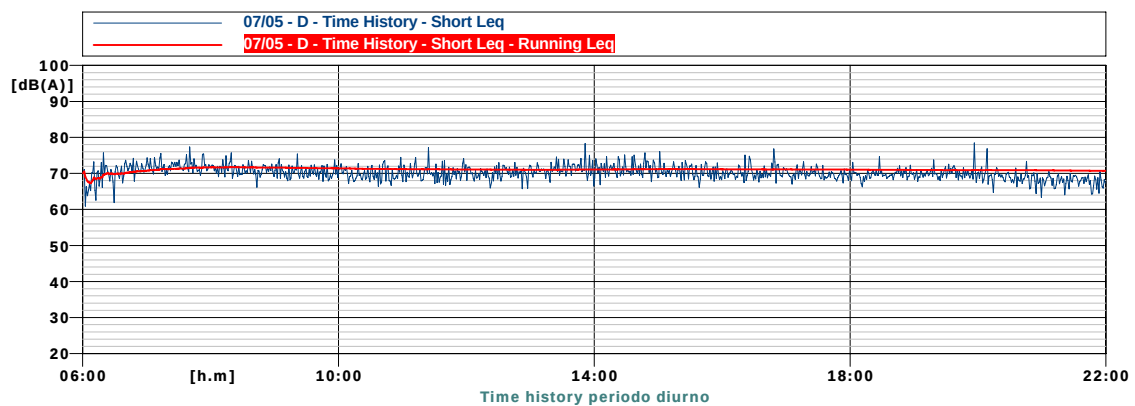
UBICAZIONE PUNTO		COORDINATE UTM					
via Aterno 351 (Tiburtina), località Brecciarola		x: 425413	y: 4686099	± [m]: 5			
STRUMENTO		CALIBRATORE					
Larson Davis LD 824 s. n. A0510		Larson Davis CAL200 s. n. 4521					
MICROFONO							
Altezza da terra [m]: 2.5		Dist. bordo str./conf. [m]: 4			Dist. da sup. riflettente [m]: 10		
TIPOLOGIA DELLA SORGENTE DI RUMORE							
☒ strada ☐ ferrovia ☐ fissa prod. ☐ fissa comm. ☐ fissa ricreativa ☐ altro:							
Denominazione: via Aterno							
	LUN	MAR	MER	GIO	VEN	SAB	DOM
DATA	11/05/2009	05/05/2009	06/05/2009	07/05/2009	08/05/2009	09/05/2009	10/05/2009
L _{Aeq} D ₍₀₆₋₂₂₎	70.6	70.8	70.9	70.7	70.5	69.7	69.8
L _{Aeq} N ₍₂₂₋₀₆₎	64.2	65.1	65.2	65.2	65.1	65.8	66.1
NOTE							
TECNICO COMPETENTE				FIRMA			
Bernardo Ziliotto							

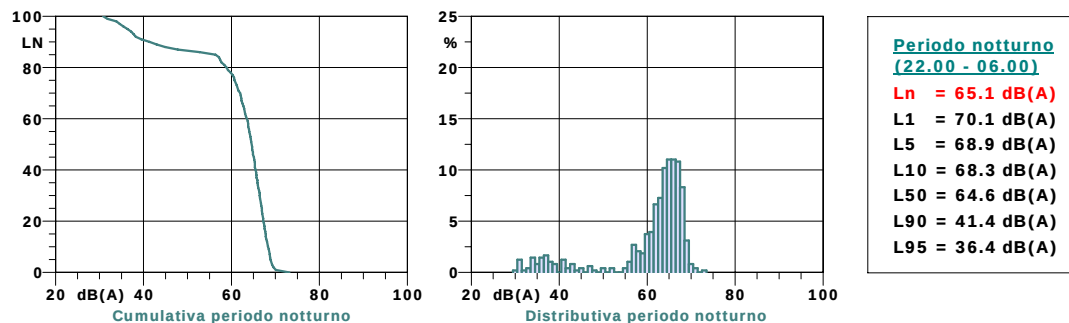
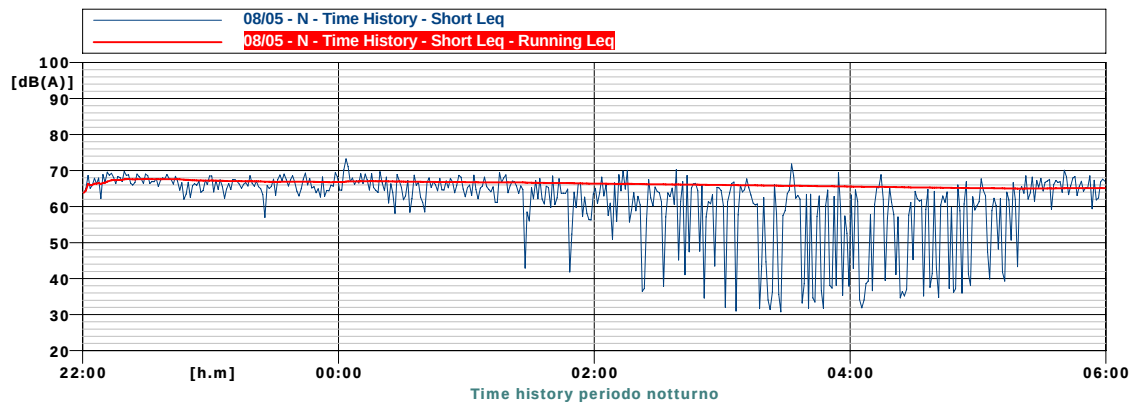
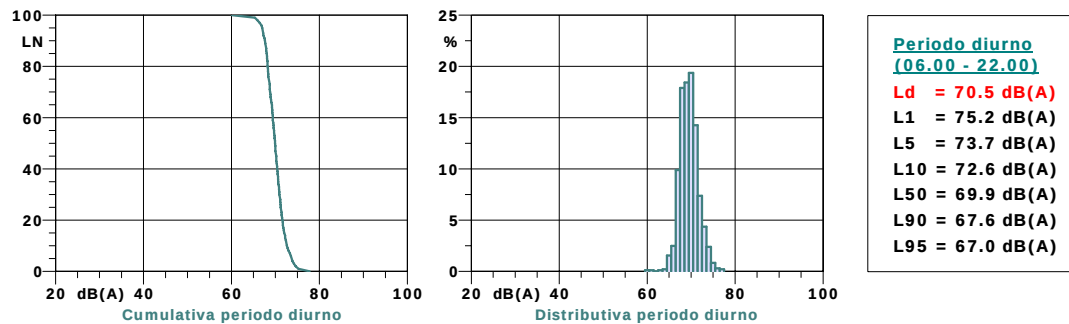
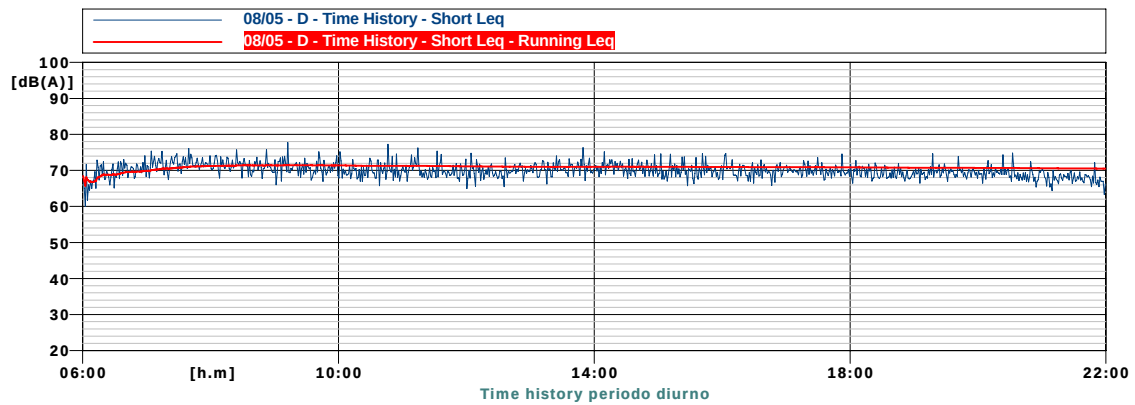


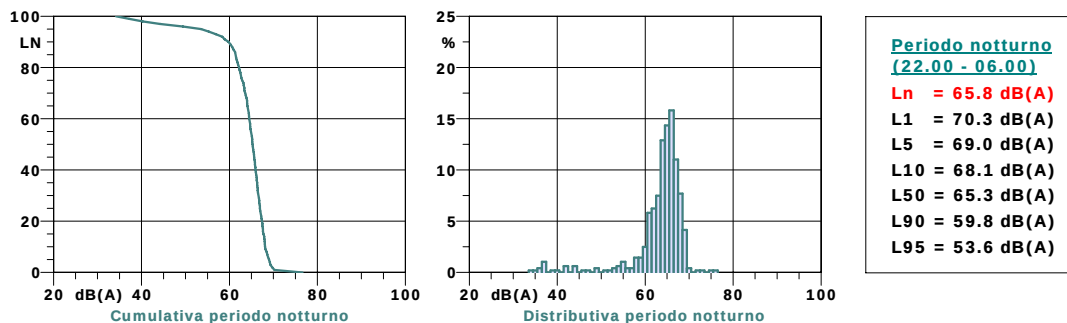
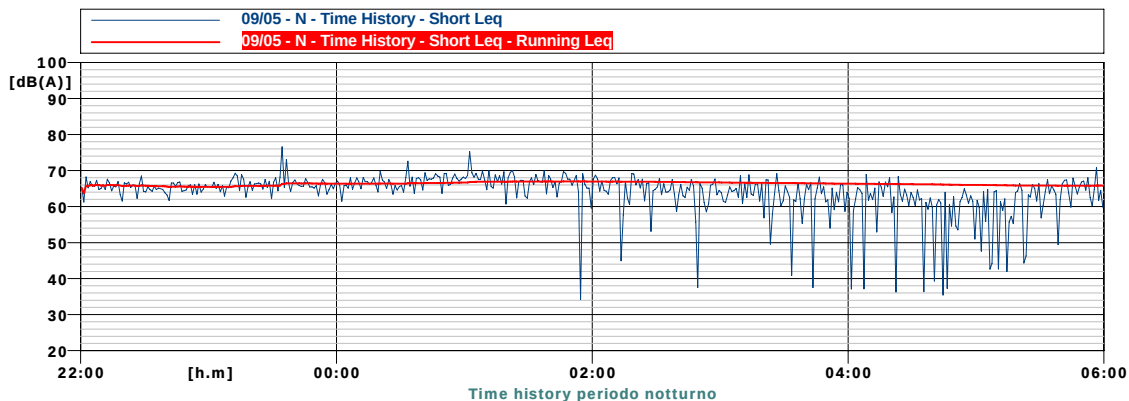
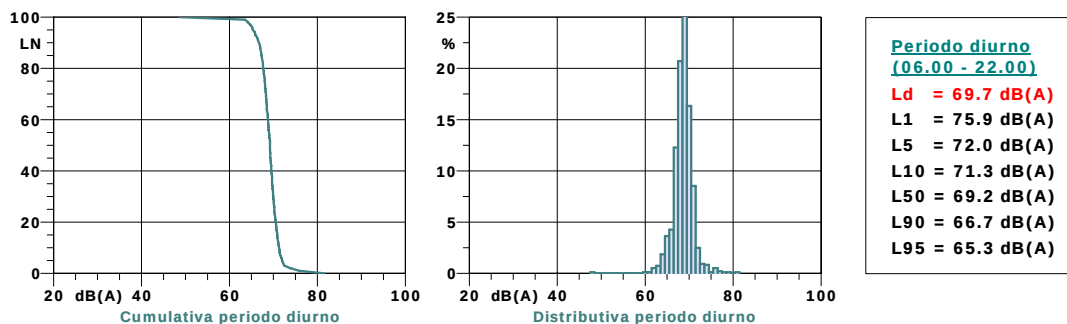
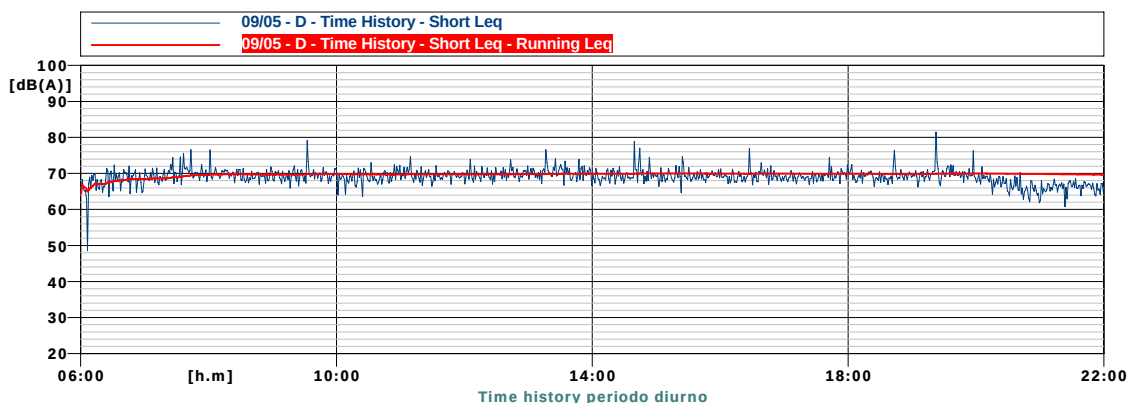


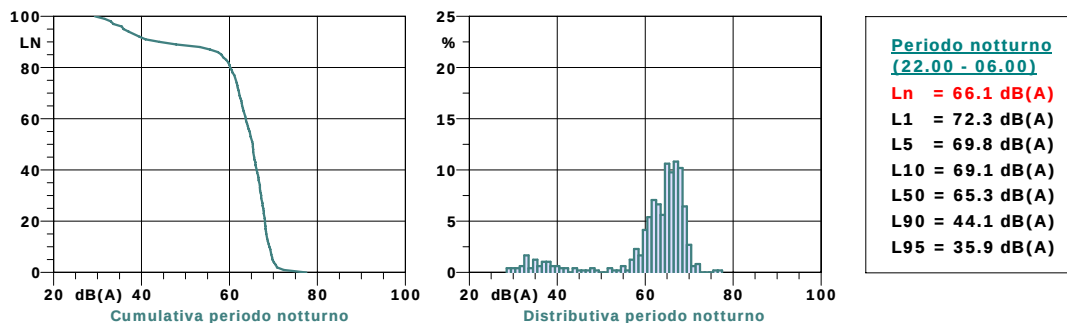
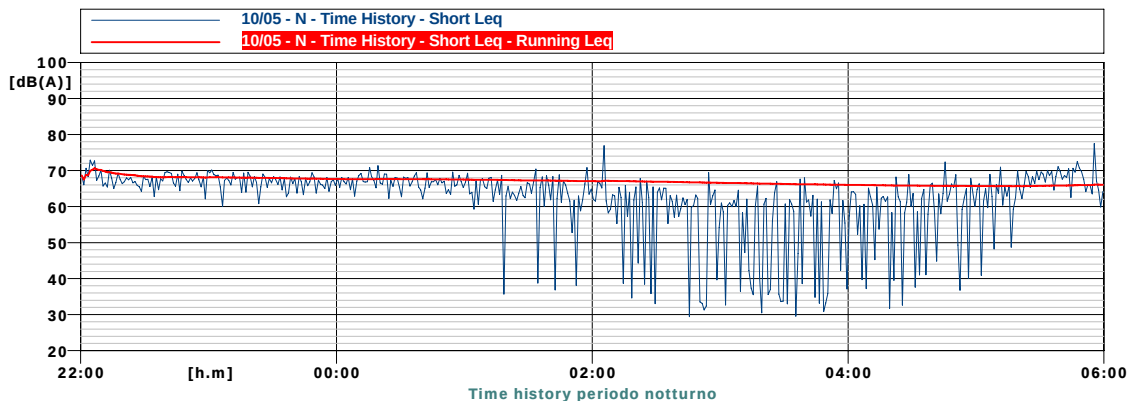
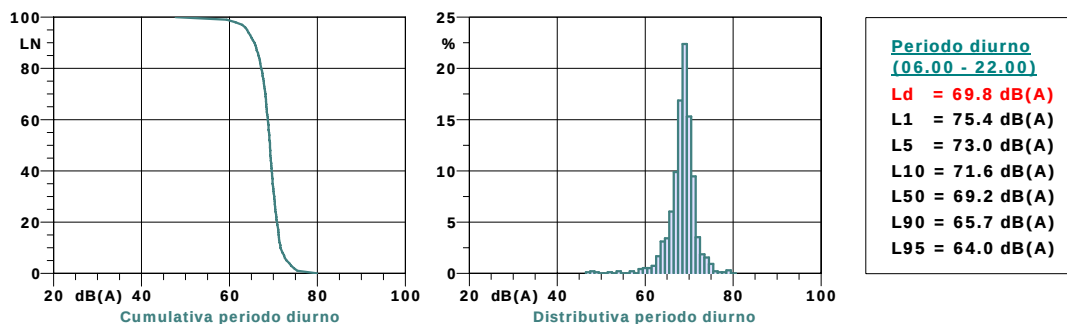
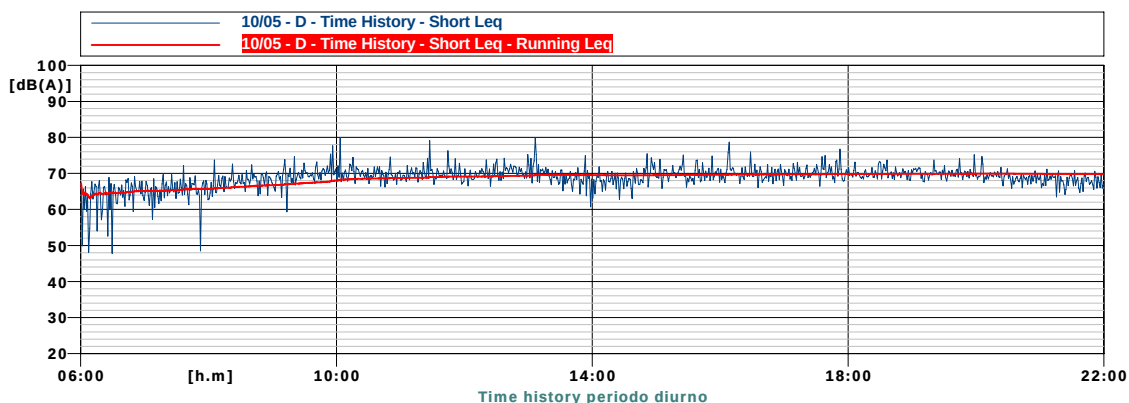


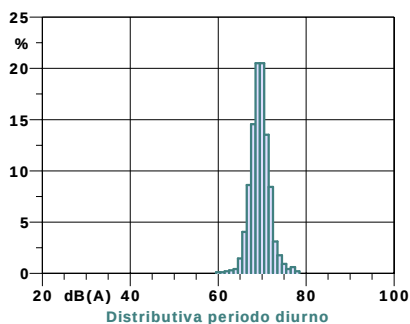
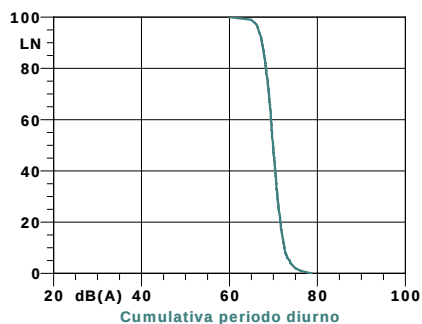
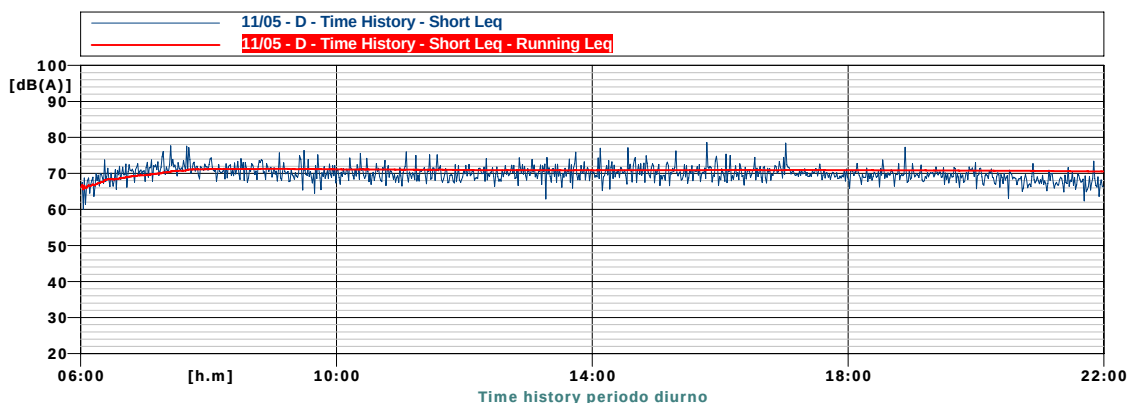




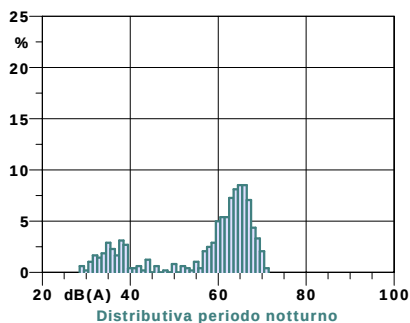
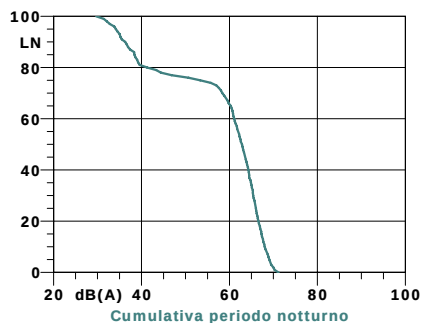
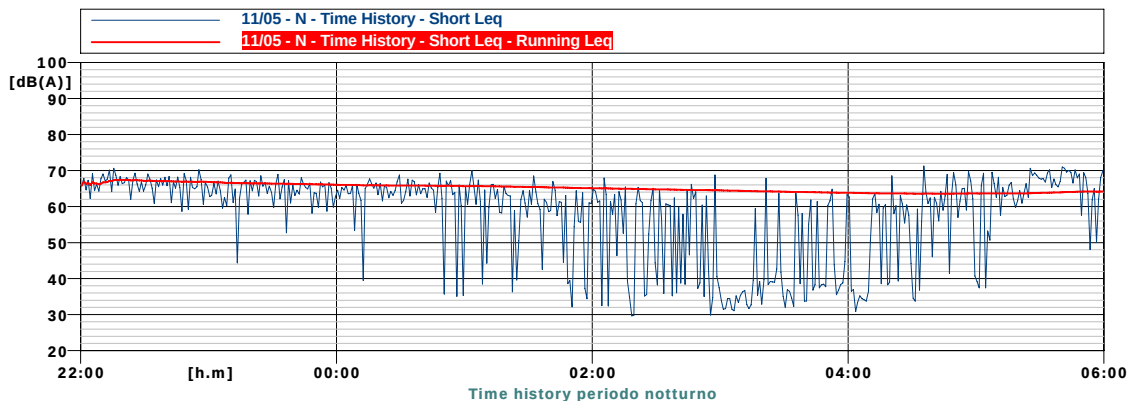




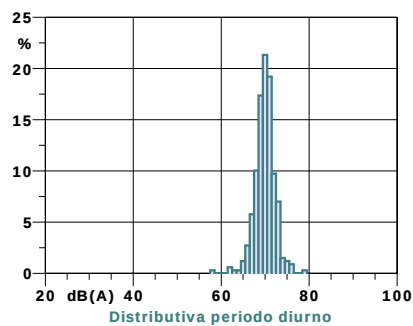
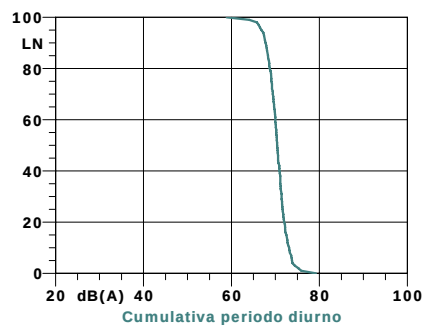
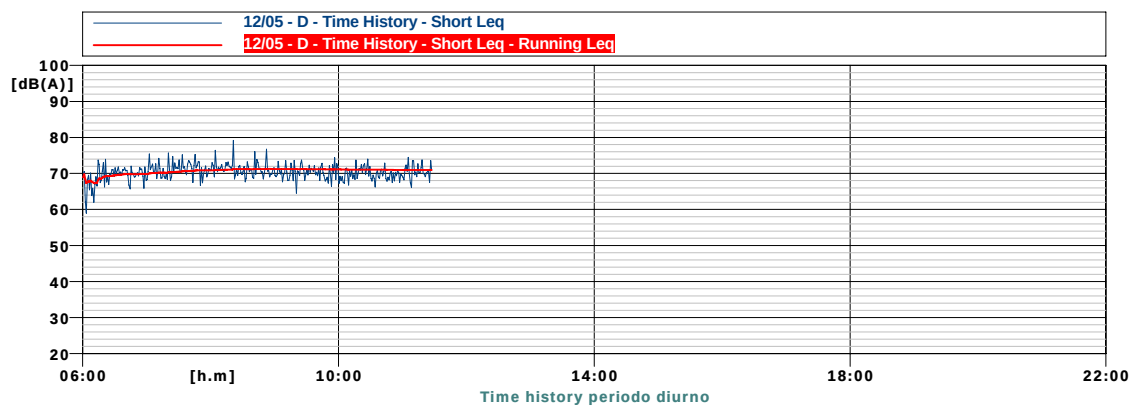




**Periodo diurno
(06.00 - 22.00)**
L_d = 70.6 dB(A)
L₁ = 76.2 dB(A)
L₅ = 73.7 dB(A)
L₁₀ = 72.5 dB(A)
L₅₀ = 69.9 dB(A)
L₉₀ = 67.4 dB(A)
L₉₅ = 66.6 dB(A)



**Periodo notturno
(22.00 - 06.00)**
L_n = 64.2 dB(A)
L₁ = 70.3 dB(A)
L₅ = 69.1 dB(A)
L₁₀ = 68.0 dB(A)
L₅₀ = 62.8 dB(A)
L₉₀ = 36.3 dB(A)
L₉₅ = 34.2 dB(A)



Periodo diurno
(06.00 - 22.00)

Ld = 71.0 dB(A)
L1 = 75.9 dB(A)
L5 = 73.8 dB(A)
L10 = 73.1 dB(A)
L50 = 70.4 dB(A)
L90 = 67.8 dB(A)
L95 = 66.8 dB(A)

SPOT01-A



UBICAZIONE PUNTO	COORDINATE UTM		
via Masci	x: 433895	y: 4690103	± [m]: 5

STRUMENTO	CALIBRATORE
Larson Davis LD 824 s. n. A0805	Larson Davis CAL200 s. n. 4521

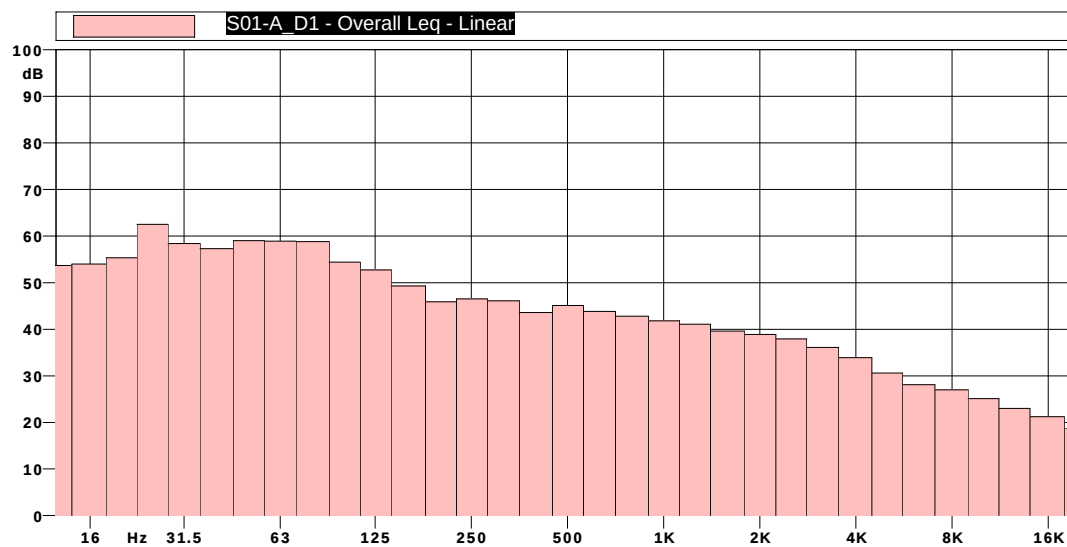
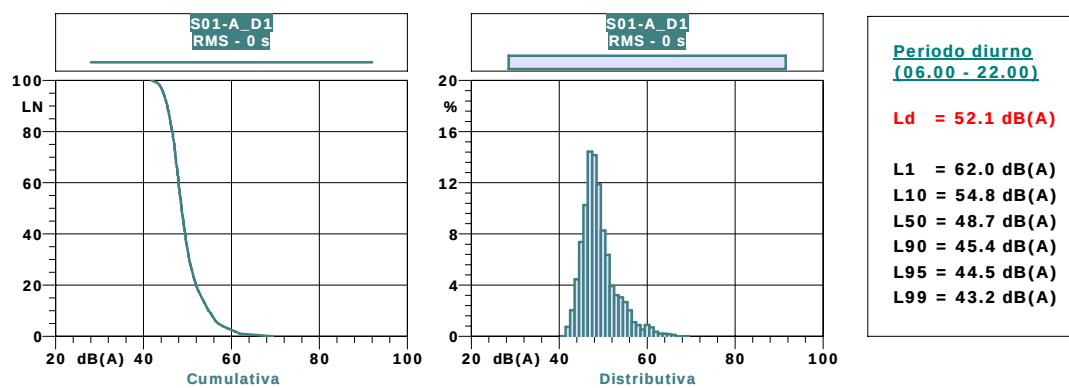
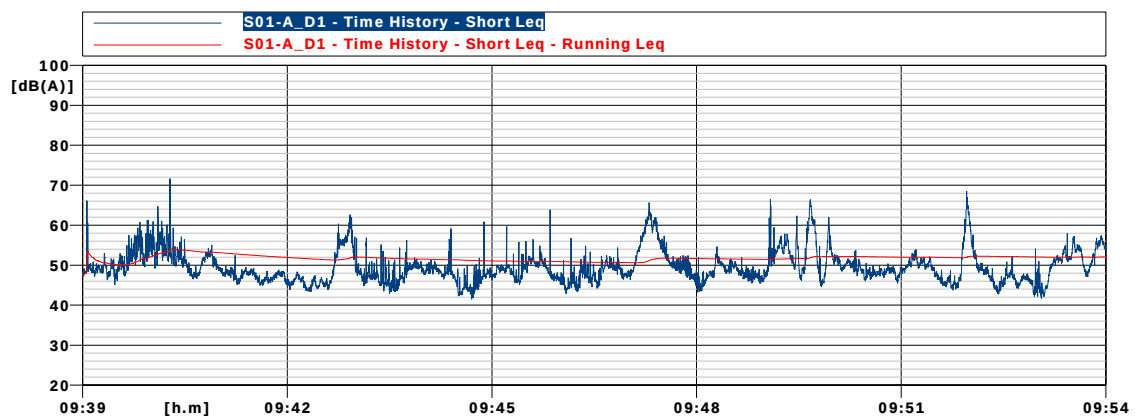
MICROFONO
Altezza da terra [m]: 1.5 Dist. bordo str./conf. [m]: 60 Dist. da sup. riflettente [m]: 20

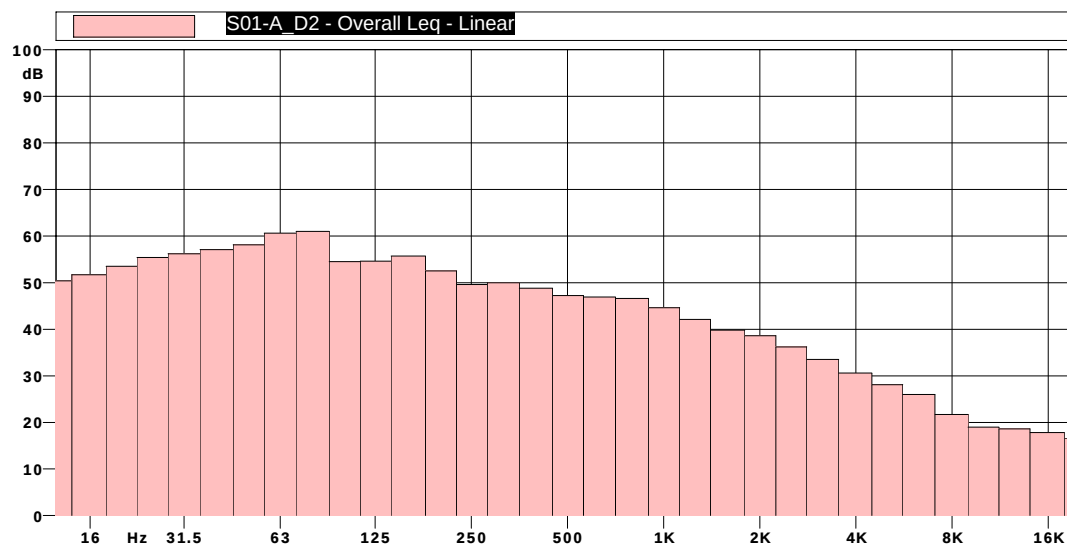
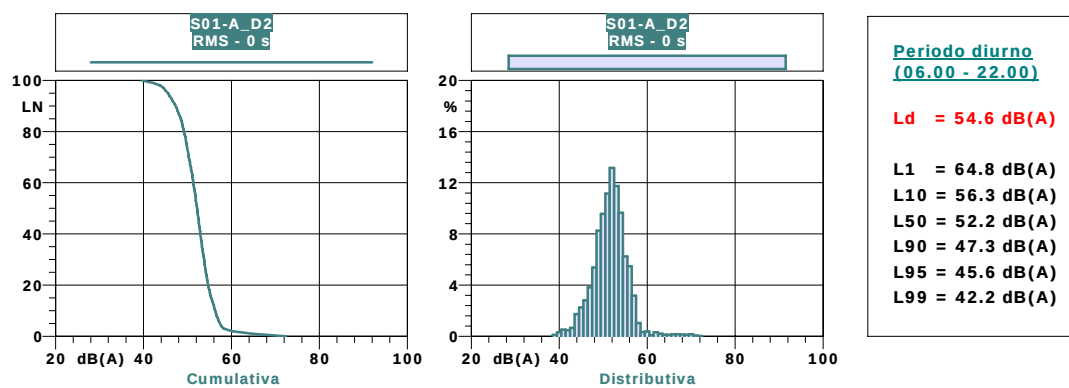
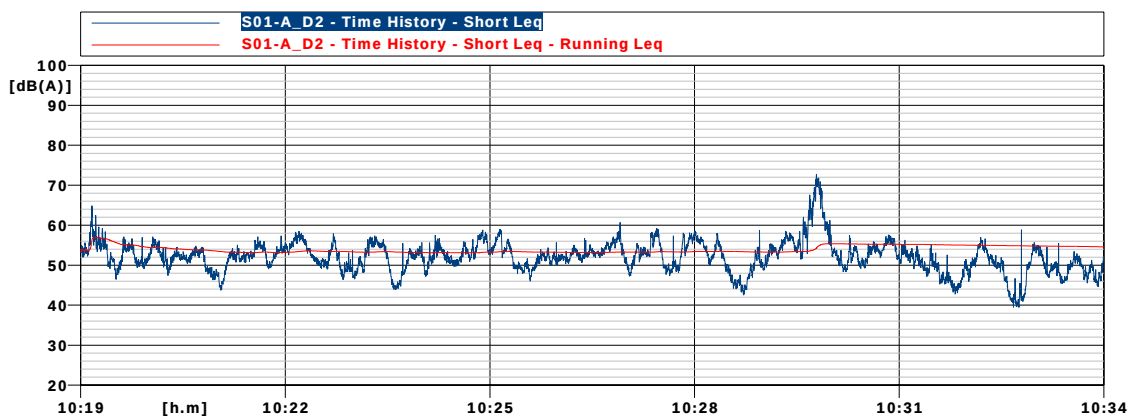
TIPOLOGIA DELLA SORGENTE DI RUMORE					
☒ strada	☐ ferrovia	☐ fissa prod.	☐ fissa comm.	☐ fissa ricreativa	☐ altro:
Denominazione: via Masci					

MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{Aeq}
1	D	13/05/09	09:39	15'	-	-	-	52.1
2	D	13/05/09	10:19	15'	-	-	-	54.6
3								

NOTE
Punto di misura posizionato presso il giardino della scuola elementare e dell'infanzia Madonna del Freddo. La quota della scuola risulta essere superiore di circa 15 m rispetto alla quota di via Masci, che in tale tratto si presenta in pendenza.

TECNICO COMPETENTE	FIRMA
Andrea Rosati	<i>Andrea Rosati</i>

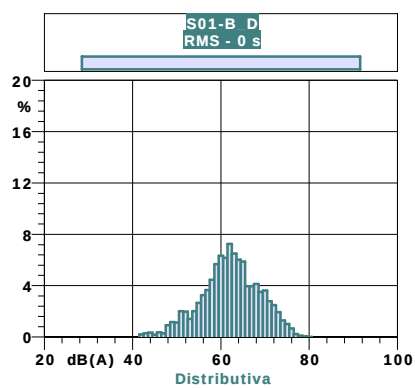
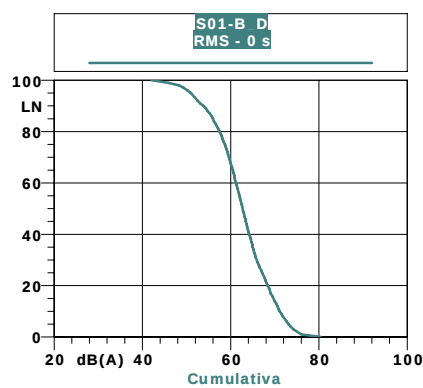
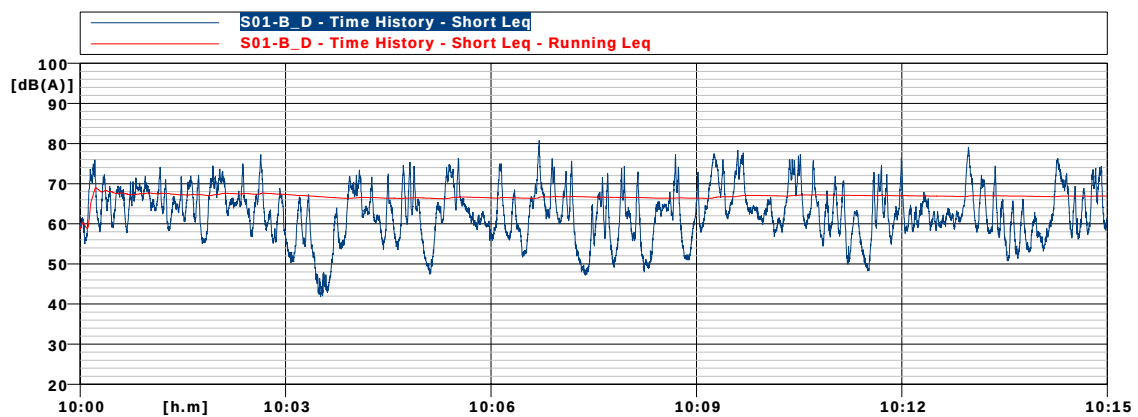




SPOT01-B



UBICAZIONE PUNTO		COORDINATE UTM						
via Masci		x: 433798	y: 4690159	± [m]: 5				
STRUMENTO		CALIBRATORE						
Larson Davis LD 824 s. n. A0805		Larson Davis CAL200 s. n. 4521						
MICROFONO								
Altezza da terra [m]: 1.5		Dist. bordo str./conf. [m]: 4		Dist. da sup. riflettente [m]: -				
TIPOLOGIA DELLA SORGENTE DI RUMORE								
☒ strada ☐ ferrovia ☐ fissa prod. ☐ fissa comm. ☐ fissa ricreativa ☐ altro:								
Denominazione: via Masci								
MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{Aeq}
1	D	13/05/09	10:00	15'	270	19	70	66.9
NOTE								
via Masci in tale tratto si presenta con pendenza								
TECNICO COMPETENTE					FIRMA			
Andrea Rosati					<i>Andrea Rosati</i>			



Periodo diurno
(06.00 - 22.00)

Ld = 66.9 dB(A)

L1 = 76.0 dB(A)

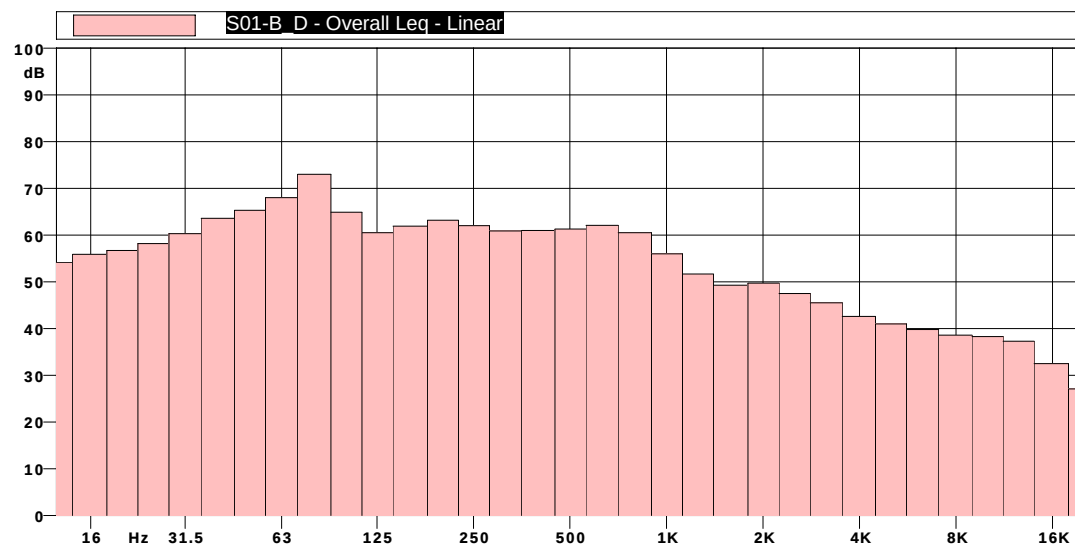
L10 = 71.1 dB(A)

L50 = 62.7 dB(A)

L90 = 53.8 dB(A)

L95 = 51.0 dB(A)

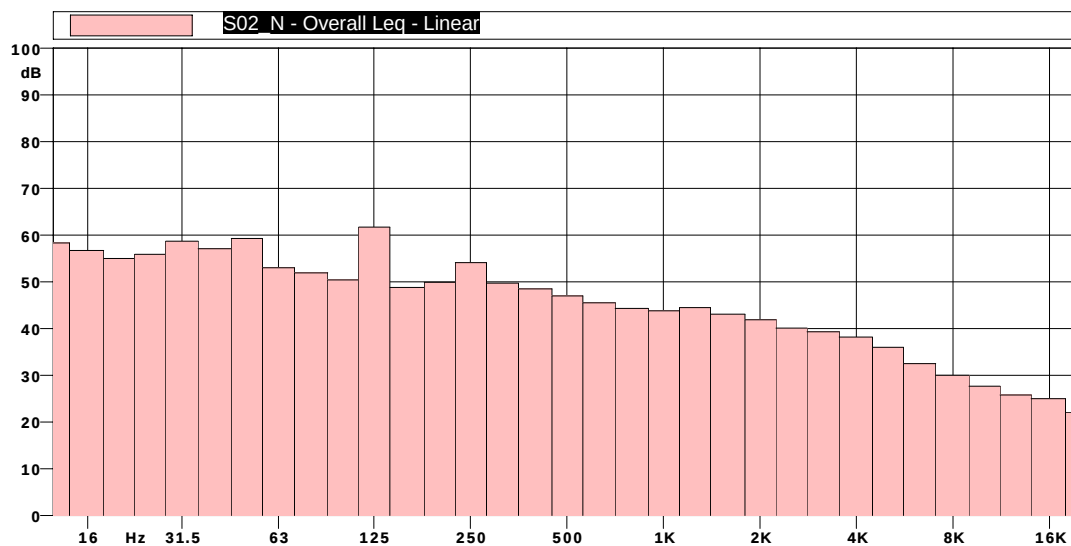
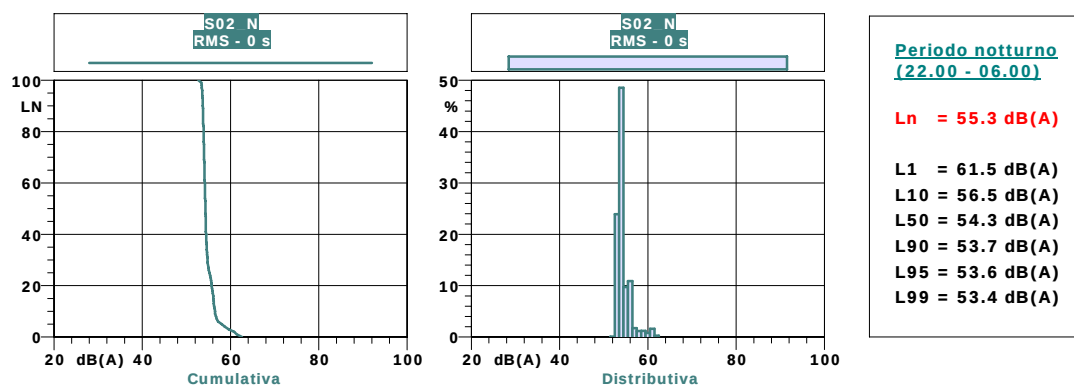
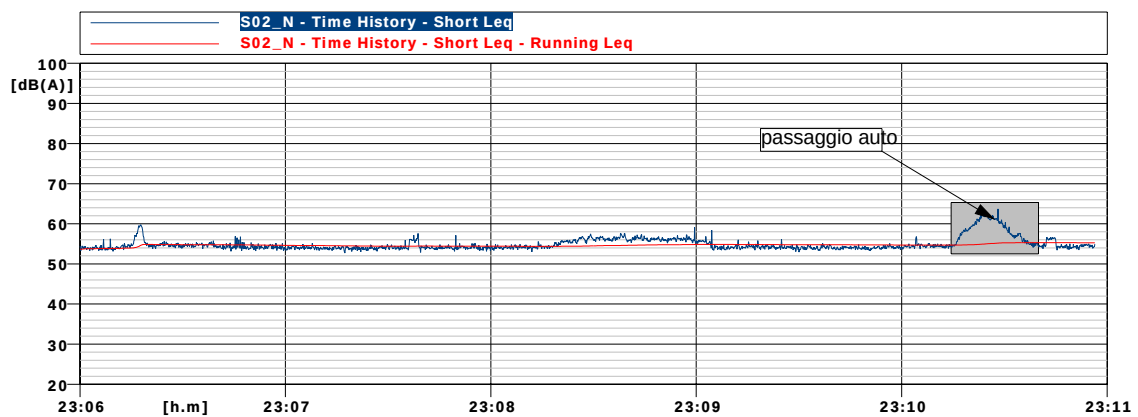
L99 = 45.8 dB(A)



SPOT02



UBICAZIONE PUNTO		COORDINATE UTM						
via Colazzilli		x: 431453	y: 4688392	± [m]: 5				
STRUMENTO		CALIBRATORE						
Larson Davis LD 824 s. n. A0805		Larson Davis CAL200 s. n. 4521						
MICROFONO								
Altezza da terra [m]: 1.5	Dist. bordo str./conf. [m]: -		Dist. da sup. riflettente [m]: 3					
TIPOLOGIA DELLA SORGENTE DI RUMORE								
☐ strada	☐ ferrovia	☐ fissa prod.	☐ fissa comm.	☐ fissa ricreativa				
☒ altro: impianti								
Denominazione: clinica privata Spatocco								
MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{Aeq}
1	N	12/05/09	23:06	5'	-	-	-	55.3
NOTE								
In funzione bocchetta di aerazione ed altri impianti non chiaramente identificabili. Punto di misura posizionato a circa 10 m dalla bocchetta di aerazione, il cui contributo risulta prevalente nel determinare il clima acustico rilevato. Il rumore emesso da tale bocchetta presenta una componente tonale prevalente a frequenza pari a 125 Hz.								
TECNICO COMPETENTE					FIRMA			
Andrea Rosati					<i>Andrea Rosati</i>			



SPOT03



UBICAZIONE PUNTO	COORDINATE UTM		
via Penne	x: 428682	y: 4690254	± [m]: 5

STRUMENTO	CALIBRATORE
Larson Davis LD 824 s. n. A0805	Larson Davis CAL200 s. n. 4521

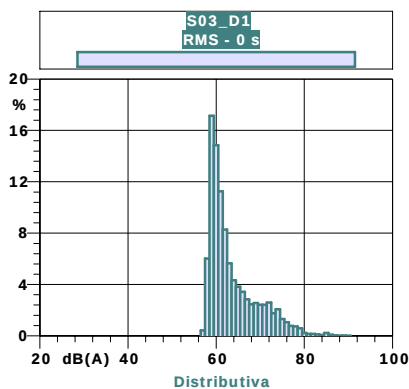
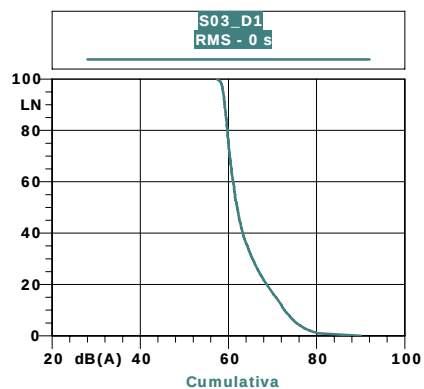
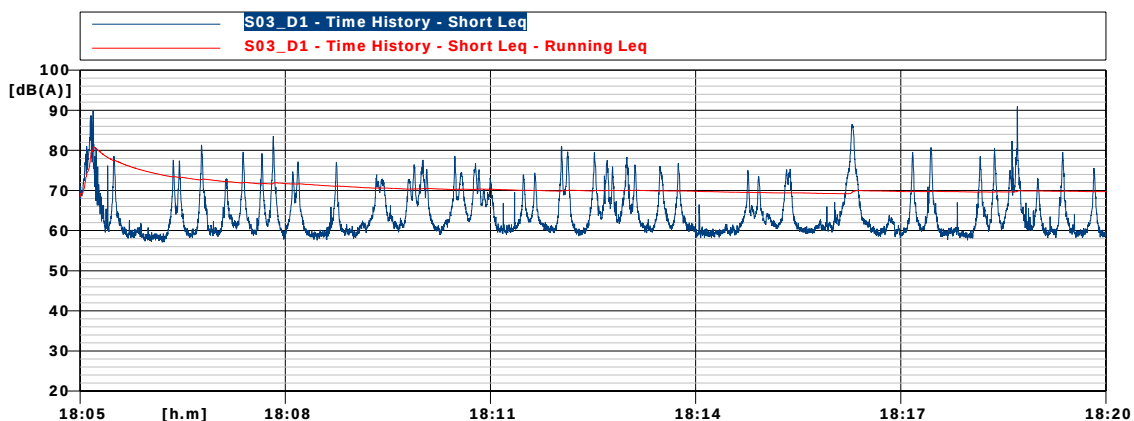
MICROFONO
Altezza da terra [m]: 1.5 Dist. bordo str./conf. [m]: 0 Dist. da sup. riflettente [m]: 2

TIPOLOGIA DELLA SORGENTE DI RUMORE					
☒ strada	☐ ferrovia	☒ fissa prod.	☐ fissa comm.	☐ fissa ricreativa	☐ altro:
Denominazione: via Penne – attività produttiva					

MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{Aeq}
1	D	12/05/09	18:05	15'	70	8	50	69.7
2	D	13/05/09	11:15	15'	30	15	50	71.6
3	D	14/05/09	11:14	15'	29	26	50	71.6

NOTE
Misura 1: impianti funzionanti Misura 2: spostamento tubi in ferro con gru e altri mezzi di movimentazione Misura 3: taglio, mezzi di movimentazione. Lavori di scavo a circa 150 m In tutti i rilievi il traffico su fondo sconnesso rimane la componente di rumore prevalente

TECNICO COMPETENTE	FIRMA
Andrea Rosati	<i>Andrea Rosati</i>



Periodo diurno
(06.00 - 22.00)

Ld = 69.7 dB(A)

L1 = 80.5 dB(A)

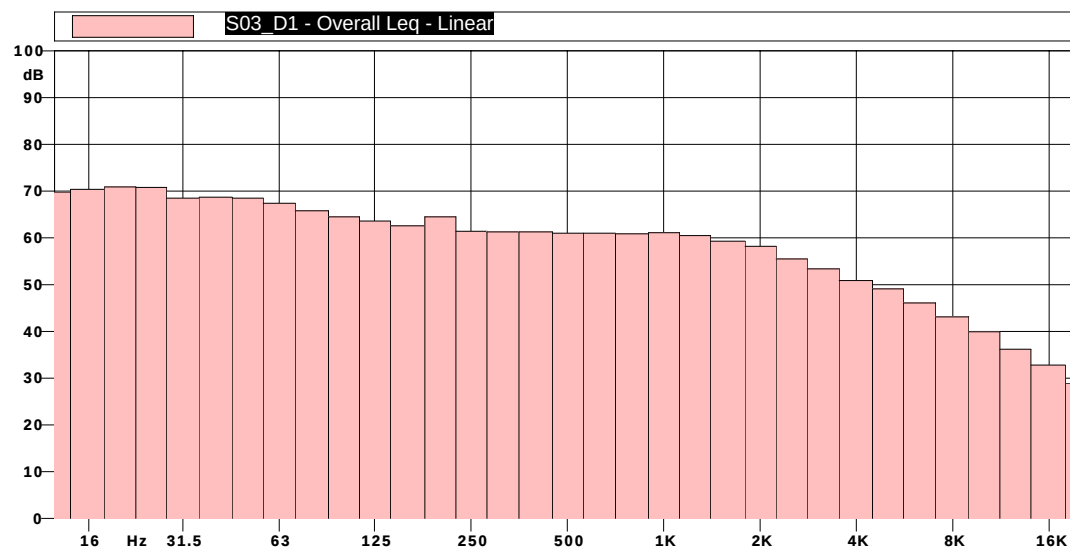
L10 = 72.7 dB(A)

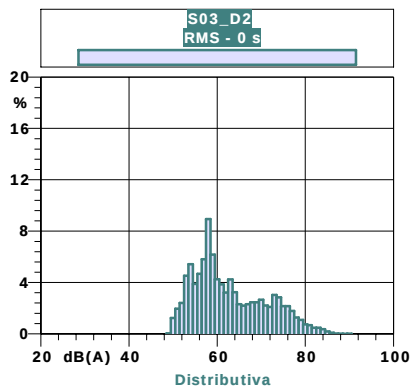
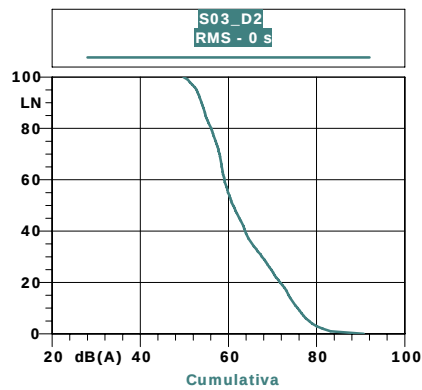
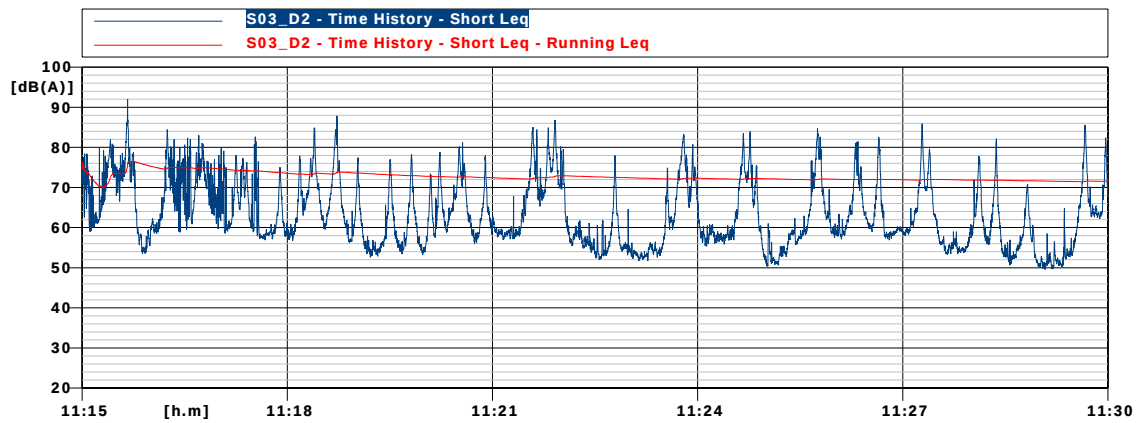
L50 = 62.0 dB(A)

L90 = 59.2 dB(A)

L95 = 58.8 dB(A)

L99 = 58.2 dB(A)





Periodo diurno
(06.00 - 22.00)

Ld = 71.6 dB(A)

L1 = 83.2 dB(A)

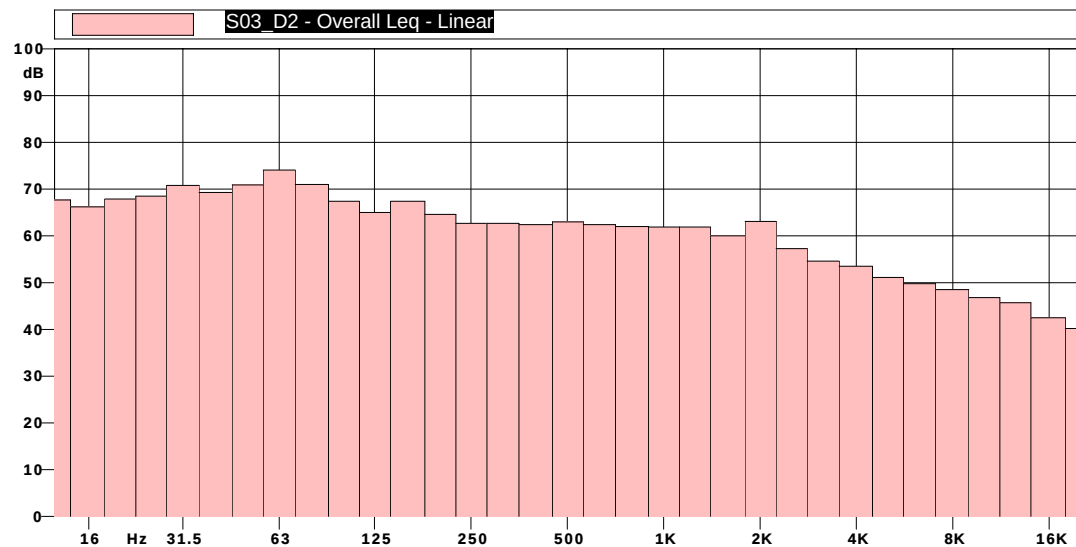
L10 = 75.7 dB(A)

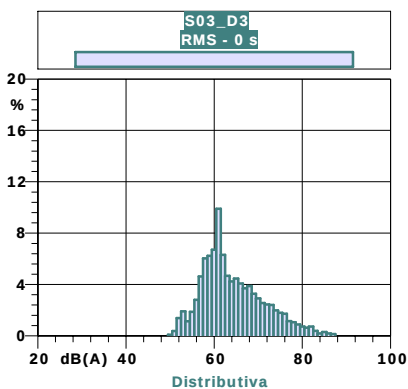
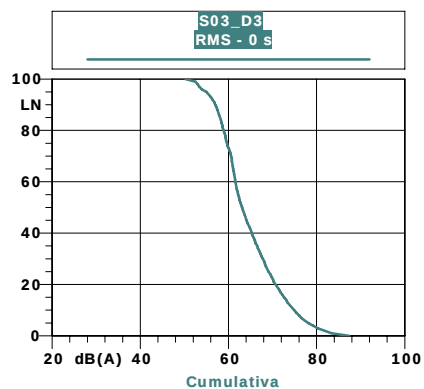
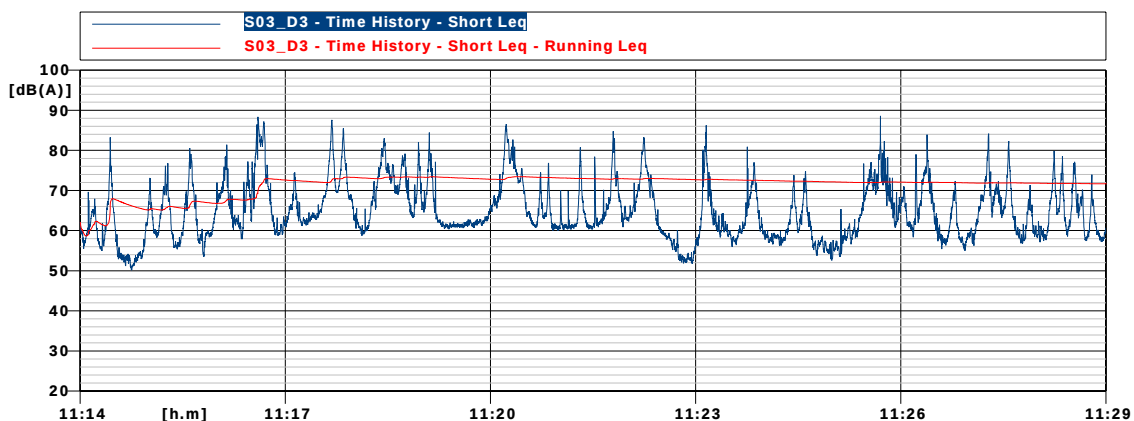
L50 = 61.1 dB(A)

L90 = 53.9 dB(A)

L95 = 52.8 dB(A)

L99 = 50.8 dB(A)





Periodo diurno
(06.00 - 22.00)

Ld = 71.6 dB(A)

L1 = 83.5 dB(A)

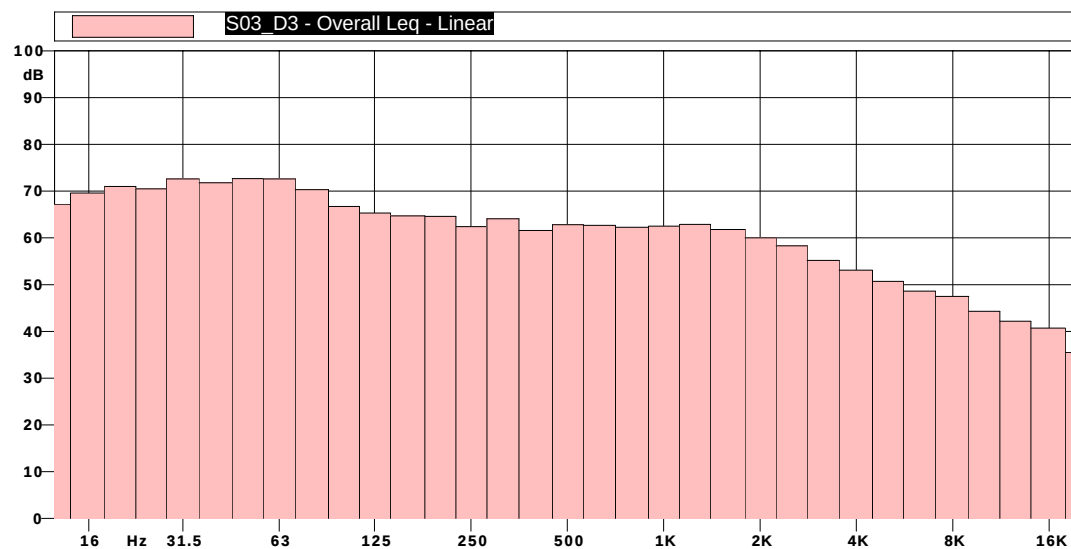
L10 = 74.9 dB(A)

L50 = 63.1 dB(A)

L90 = 57.0 dB(A)

L95 = 55.0 dB(A)

L99 = 52.5 dB(A)



SPOT04



UBICAZIONE PUNTO	COORDINATE UTM		
via Gelber	x: 429090	y: 4690441	± [m]: 5

STRUMENTO	CALIBRATORE
Larson Davis LD 824 s. n. A0805	Larson Davis CAL200 s. n. 4521

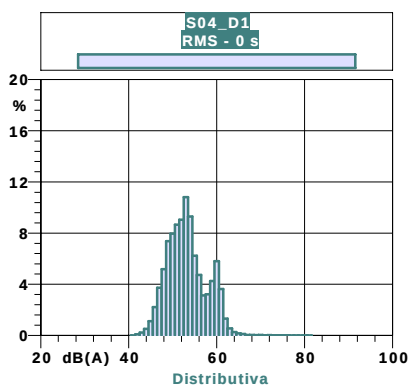
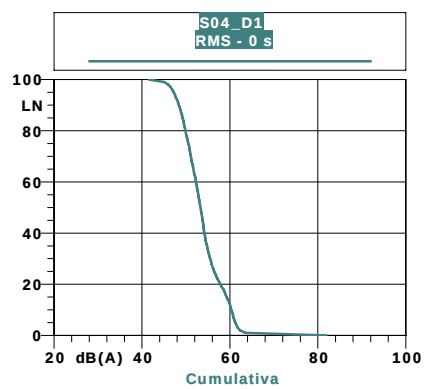
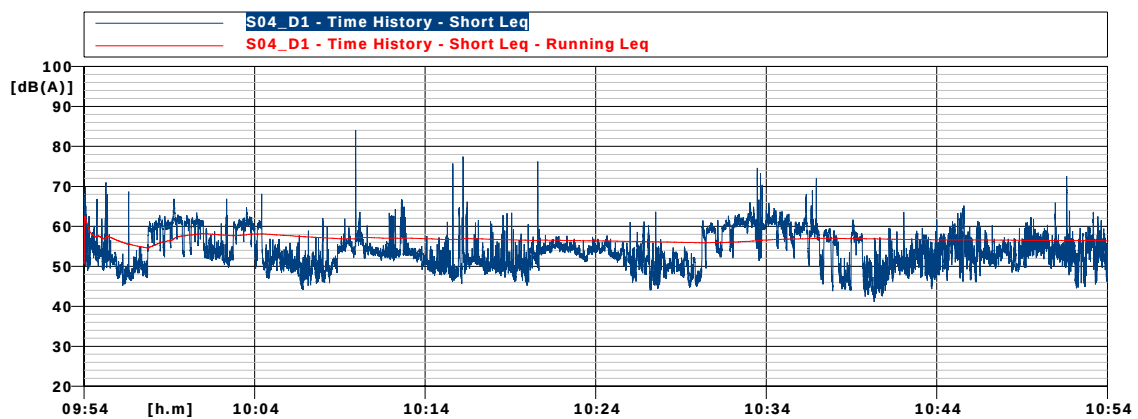
MICROFONO
Altezza da terra [m]: 1.5 Dist. bordo str./conf. [m]: - Dist. da sup. riflettente [m]: 4

TIPOLOGIA DELLA SORGENTE DI RUMORE					
☐ strada	☐ ferrovia	☒ fissa prod.	☐ fissa comm.	☐ fissa ricreativa	☐ altro:
Denominazione: attività produttiva Sirio					

MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{Aeq}
1	D	14/05/09	09:54	60'	-	-	-	56.4
2	D	14/05/09	16:07	60'	-	-	-	55.2

NOTE
Misura 1: lavorazioni in corso alternate (fresatura, taglio, aria compressa, movimentazione carichi), ingresso uscita n. 3 automezzi pesanti, personale nel piazzale
Misura 2: lavorazioni in corso

TECNICO COMPETENTE	FIRMA
Andrea Rosati	<i>Andrea Rosati</i>



Periodo diurno
(06.00 - 22.00)

Ld = 56.4 dB(A)

L1 = 63.5 dB(A)

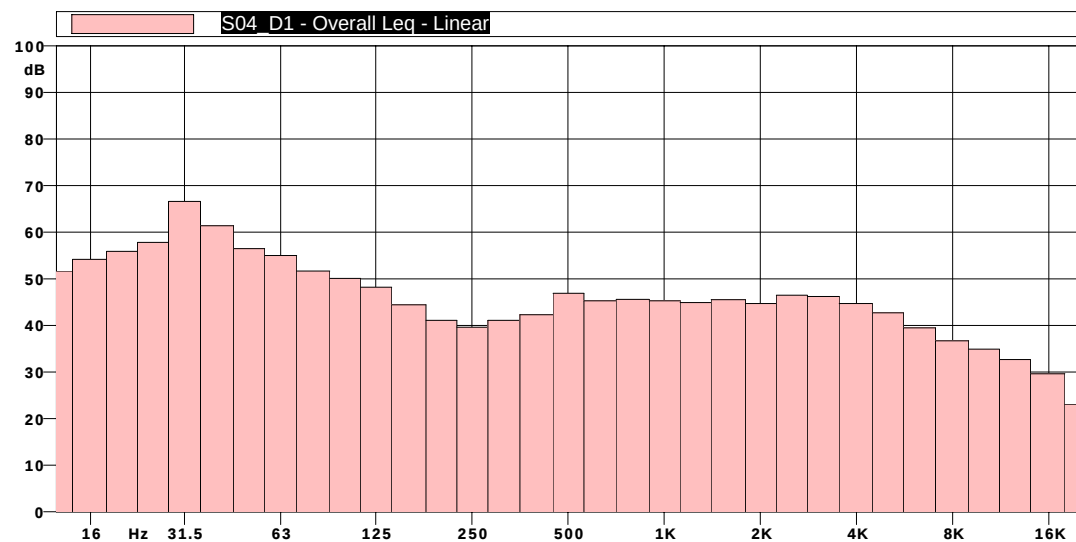
L10 = 60.3 dB(A)

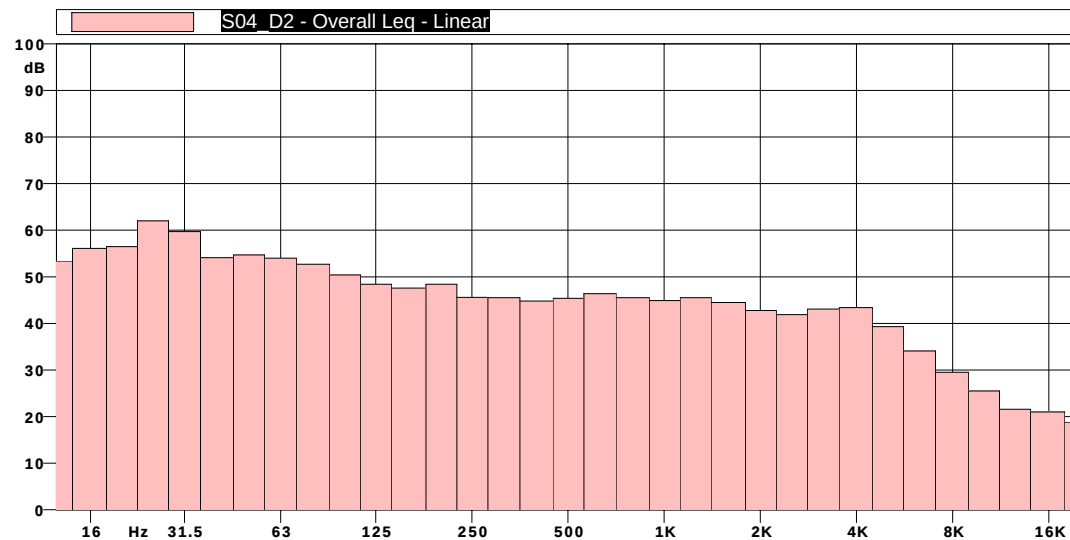
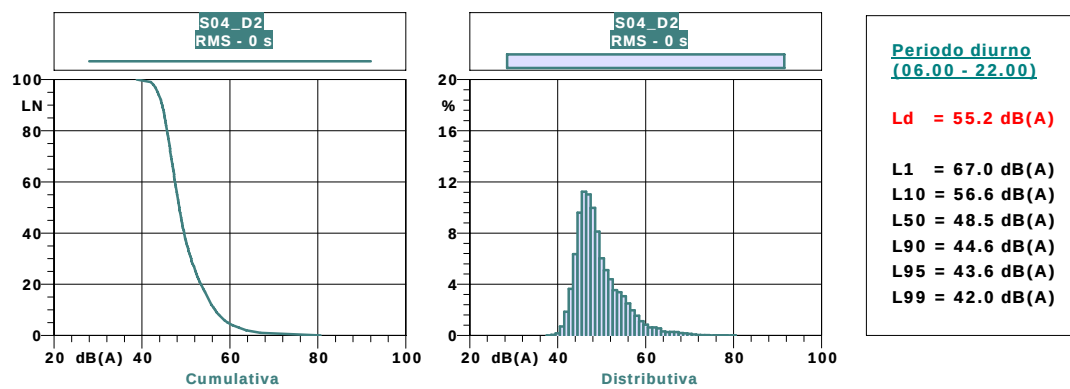
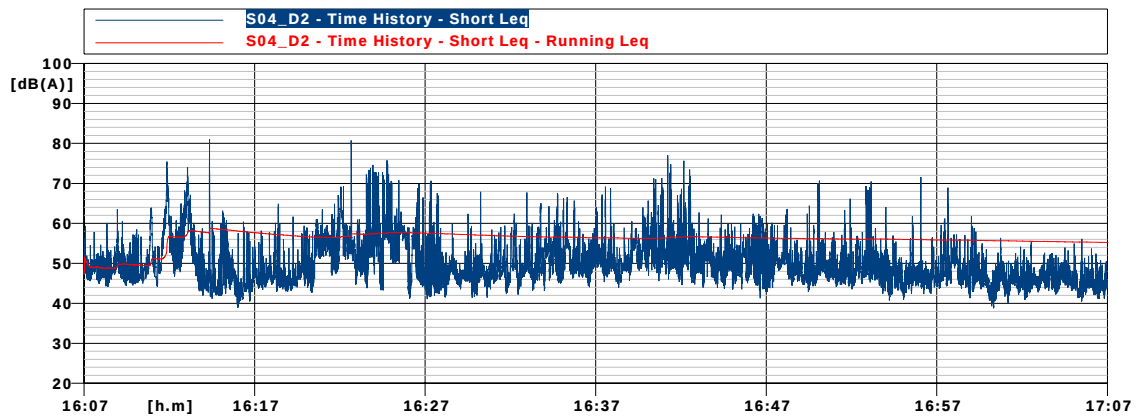
L50 = 53.3 dB(A)

L90 = 48.4 dB(A)

L95 = 47.2 dB(A)

L99 = 45.1 dB(A)





SPOT05-A



UBICAZIONE PUNTO	COORDINATE UTM		
via Papa Leone XIII – via Auriti	x: 429276	y: 4691789	± [m]: 5

STRUMENTO	CALIBRATORE
Larson Davis LD 824 s. n. A0805	Larson Davis CAL200 s. n. 4521

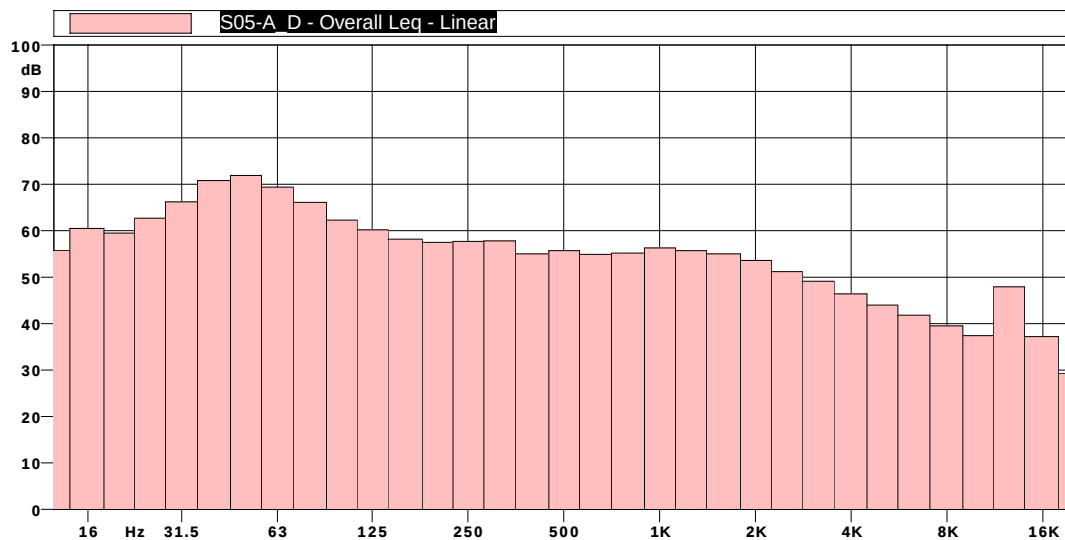
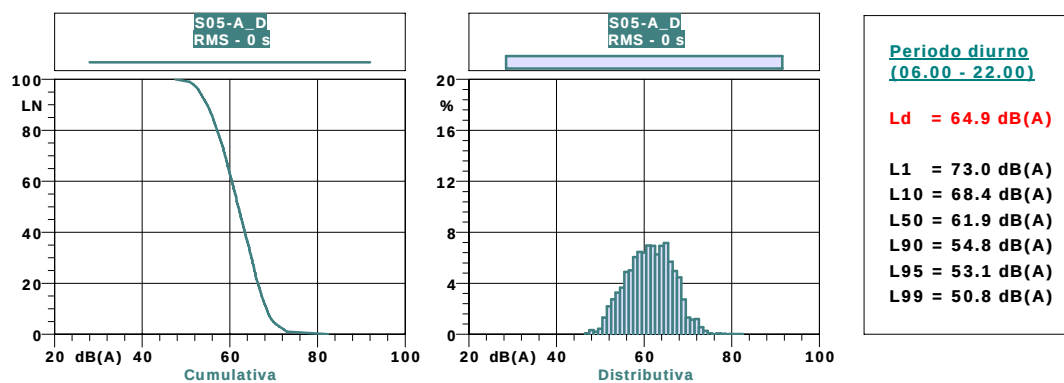
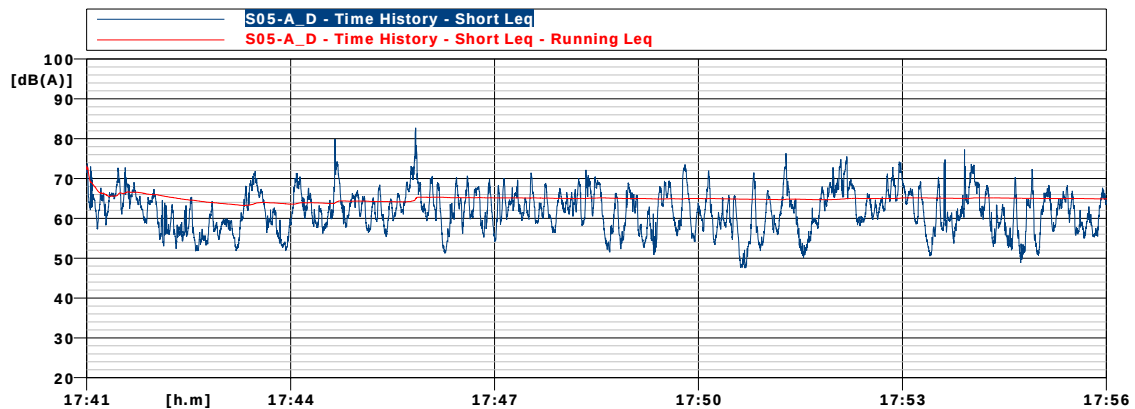
MICROFONO		
Altezza da terra [m]: 1.5	Dist. bordo str./conf. [m]: 4	Dist. da sup. riflettente [m]: 2

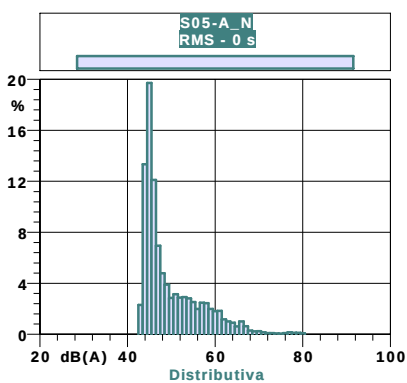
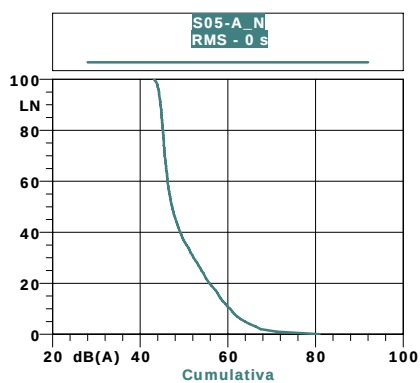
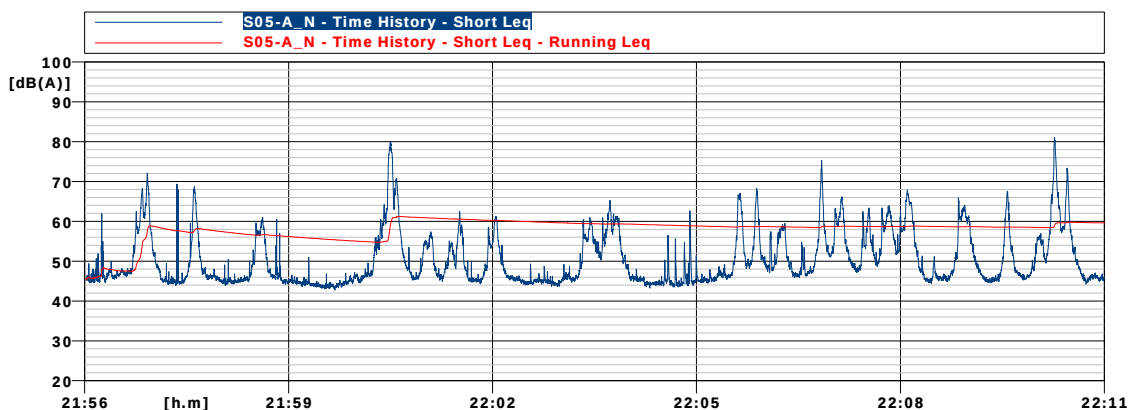
TIPOLOGIA DELLA SORGENTE DI RUMORE					
☒ strada	☐ ferrovia	☒ fissa prod.	☐ fissa comm.	☐ fissa ricreativa	☐ altro:
Denominazione: via Papa Leone XIII – via Auriti, attività produttiva tubi in ferro					

MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{Aeq}
1	D	12/05/09	17:41	15'	140	12	40	64.9
2	N	12/05/09	21:56	15'	24	2	40	59.6

NOTE
Misura 1: gli impianti non eseguono lavorazioni particolarmente rumorose
Misura 2: gli impianti non eseguono lavorazioni particolarmente rumorose
In tutti i rilievi il traffico rimane la componente di rumore prevalente

TECNICO COMPETENTE	FIRMA
Andrea Rosati	<i>Andrea Rosati</i>





Periodo notturno
(22.00 - 06.00)

Ln = 59.6 dB(A)

L1 = 71.4 dB(A)

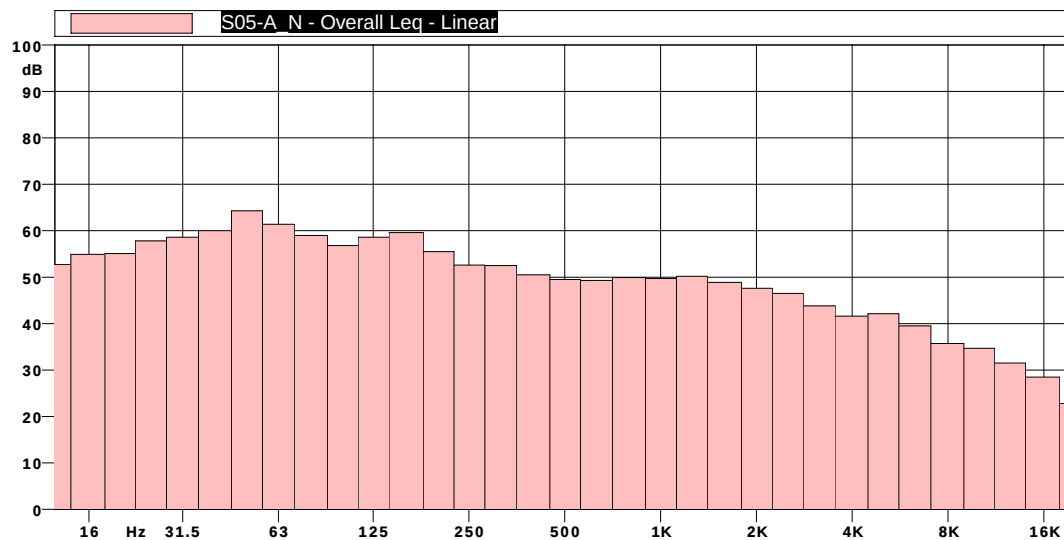
L10 = 60.5 dB(A)

L50 = 47.3 dB(A)

L90 = 44.6 dB(A)

L95 = 44.3 dB(A)

L99 = 43.6 dB(A)



SPOT05-B



UBICAZIONE PUNTO	COORDINATE UTM		
via Papa Leone XIII	x: 429268	y: 4691832	± [m]: 5

STRUMENTO	CALIBRATORE
Larson Davis LD 824 s. n. A0805	Larson Davis CAL200 s. n. 4521

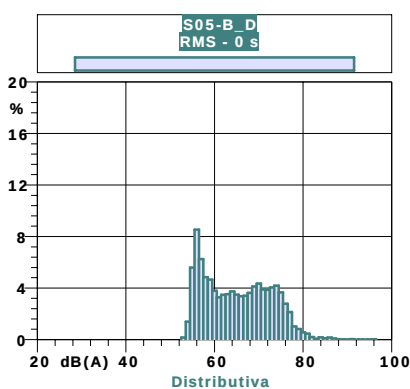
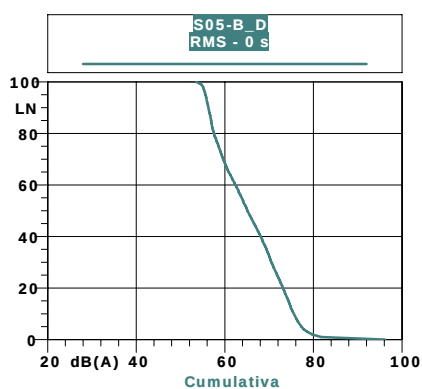
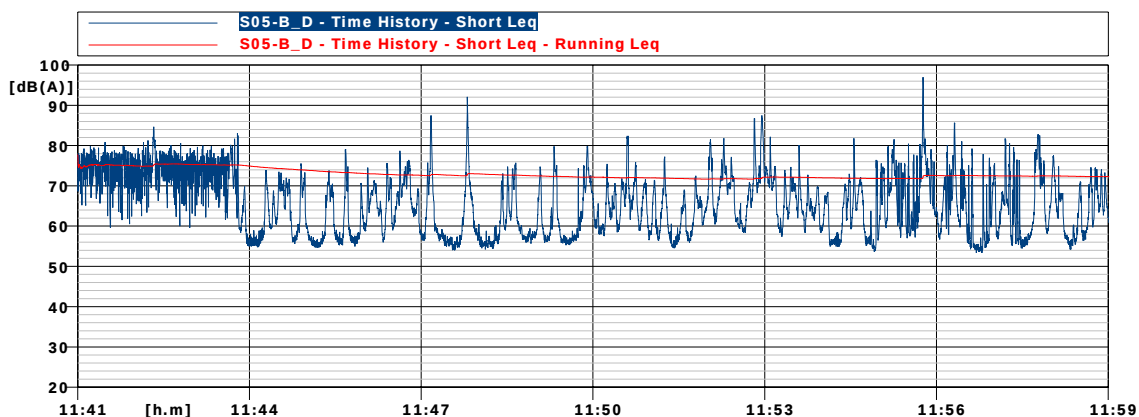
MICROFONO
Altezza da terra [m]: 1.5 Dist. bordo str./conf. [m]: 2 Dist. da sup. riflettente [m]: -

TIPOLOGIA DELLA SORGENTE DI RUMORE					
☒ strada	☐ ferrovia	☒ fissa prod.	☐ fissa comm.	☐ fissa ricreativa	☐ altro:
Denominazione: attività produttiva tubi in ferro, via Papa Leone XIII – via Auriti					

MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{Aeq}
1	D	14/05/09	11:41	15'	-	-	-	72.3

NOTE
Punto di misura rilocalizzato rispetto SPOT05-A in prossimità (15 m) dell'impianto di movimentazione scarti di ferro, in funzione durante il rilievo (3 minuti iniziali e 3 minuti finali), come evidente dalla time history Il traffico rimane una componente di rumore significativa

TECNICO COMPETENTE	FIRMA
Andrea Rosati	<i>Andrea Rosati</i>



Periodo diurno
(06.00 - 22.00)

Ld = 72.3 dB(A)

L1 = 81.8 dB(A)

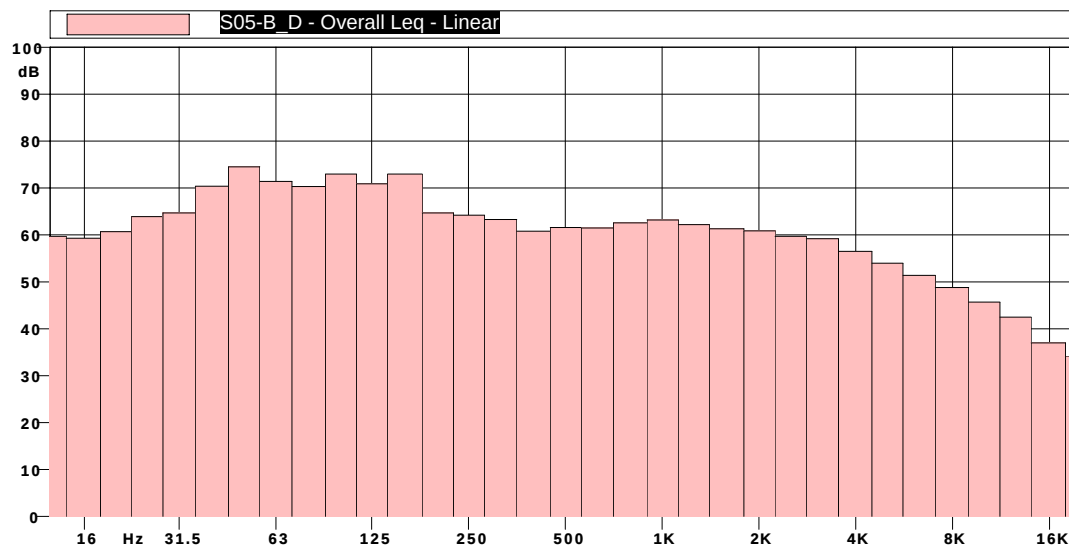
L10 = 75.6 dB(A)

L50 = 65.1 dB(A)

L90 = 56.3 dB(A)

L95 = 55.6 dB(A)

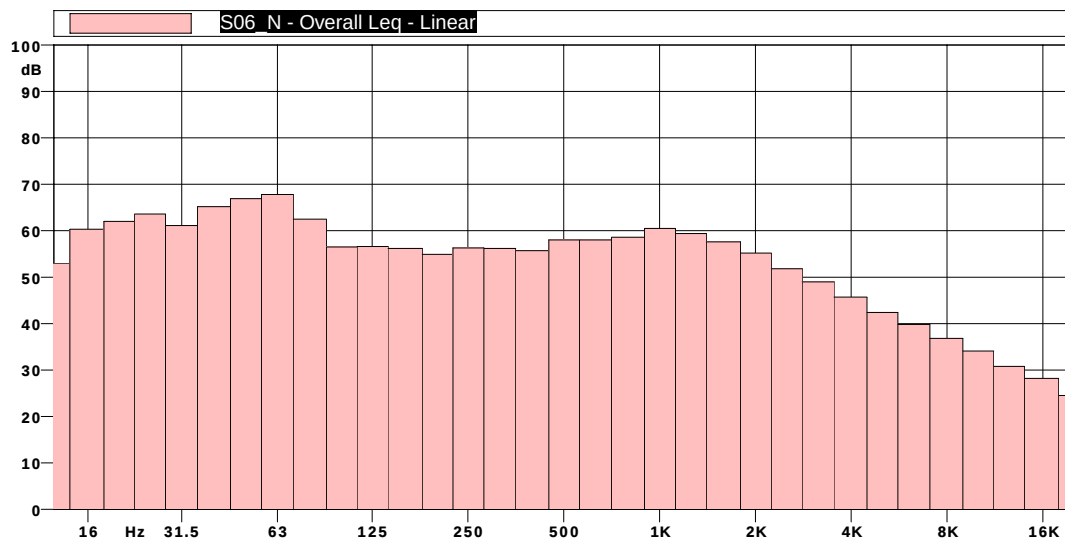
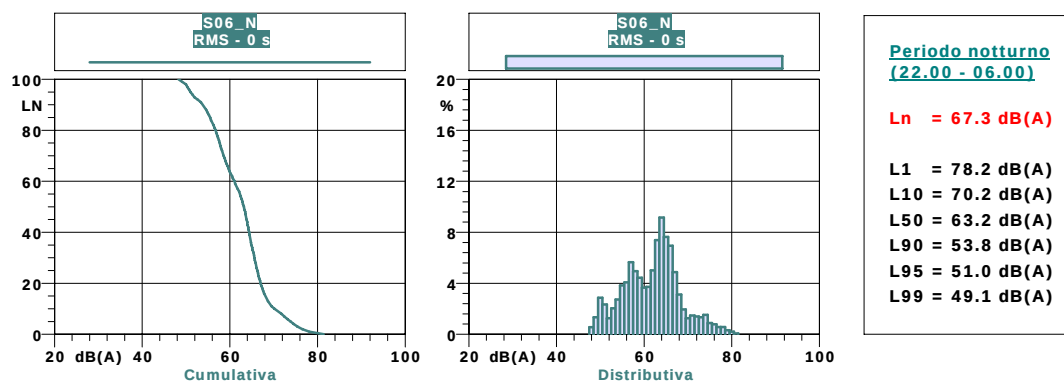
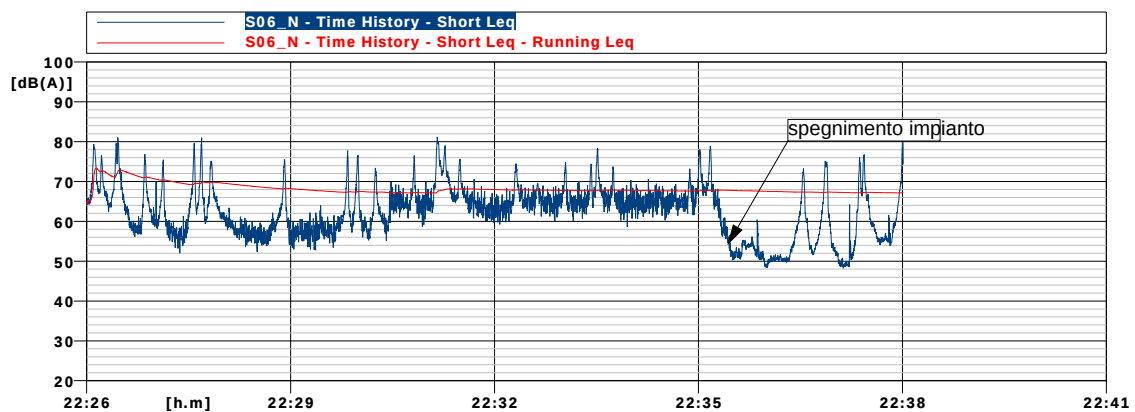
L99 = 54.7 dB(A)



SPOT06



UBICAZIONE PUNTO		COORDINATE UTM						
via Tirino		x: 427726	y: 4687984	± [m]: 5				
STRUMENTO		CALIBRATORE						
Larson Davis LD 824 s. n. A0805		Larson Davis CAL200 s. n. 4521						
MICROFONO								
Altezza da terra [m]: 1.5		Dist. bordo str./conf. [m]: 12		Dist. da sup. riflettente [m]: -				
TIPOLOGIA DELLA SORGENTE DI RUMORE								
☒ strada ☐ ferrovia ☒ fissa prod. ☐ fissa comm. ☐ fissa ricreativa ☐ altro:								
Denominazione: impianto lavorazione inerti, via Tirino								
MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{Aeq}
1	N	12/05/09	22:26	12'	-	-	-	64.1
NOTE								
Spegnimento impianti di frantumazione dopo 10 minuti, come riscontrabile anche dalla time history. Rilievo eseguito a distanza pari a 12 m dal confine dell'impianto								
TECNICO COMPETENTE					FIRMA			
Andrea Rosati					<i>Andrea Rosati</i>			



SPOT07-A



UBICAZIONE PUNTO	COORDINATE UTM		
via Masci	x: 434187	y: 4690218	± [m]: 5

STRUMENTO	CALIBRATORE
Larson Davis LD 824 s. n. A0805	Larson Davis CAL200 s. n. 4521

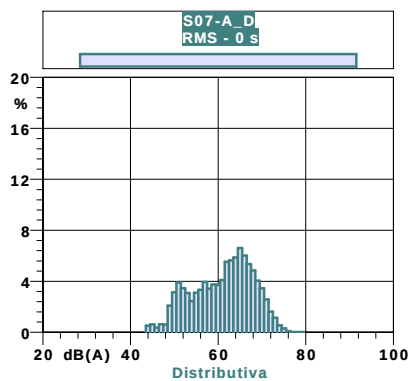
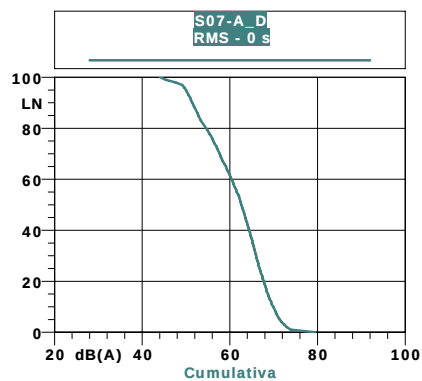
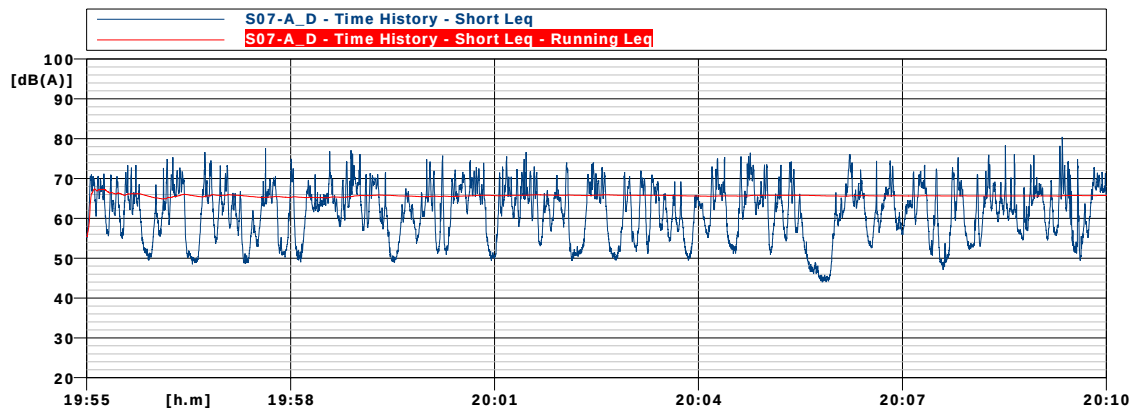
MICROFONO
Altezza da terra [m]: 1.5 Dist. bordo str./conf. [m]: 3 Dist. da sup. riflettente [m]: -

TIPOLOGIA DELLA SORGENTE DI RUMORE					
☒ strada	☐ ferrovia	☐ fissa prod.	☐ fissa comm.	☐ fissa ricreativa	☐ altro:
Denominazione: via Masci					

MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{Aeq}
1	D	13/05/09	19:55	15'	240	2	60	65.8

NOTE
via Masci in tale tratto si presenta in pendenza Rilievo eseguito in corrispondenza dell'ingresso della scuola d'infanzia 'Il cucciolo' Nelle vicinanze del centro commerciale Centauro

TECNICO COMPETENTE	FIRMA
Andrea Rosati	<i>Andrea Rosati</i>



Periodo diurno
(06.00 - 22.00)

Ld = 65.8 dB(A)

L1 = 74.0 dB(A)

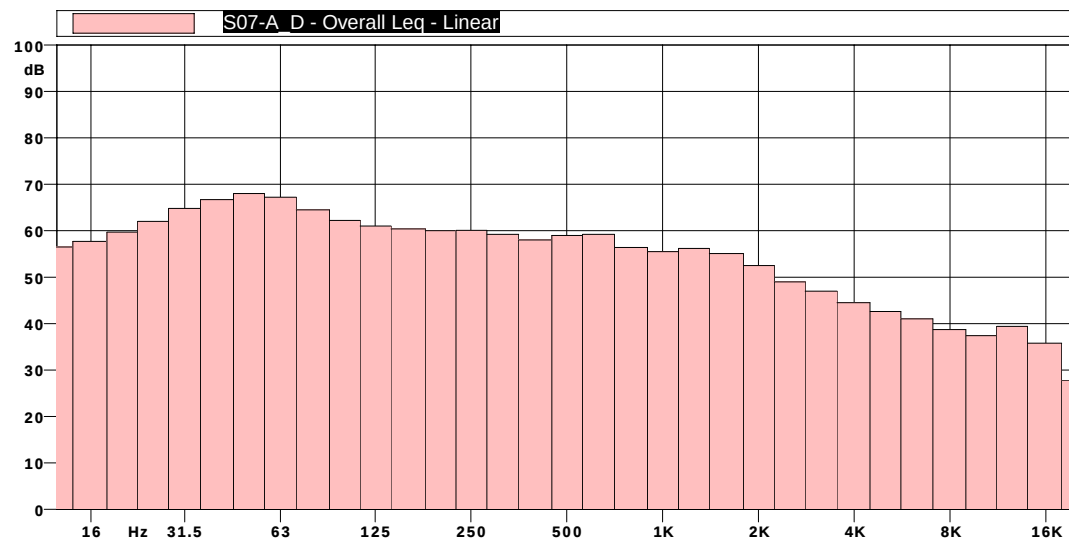
L10 = 69.9 dB(A)

L50 = 62.6 dB(A)

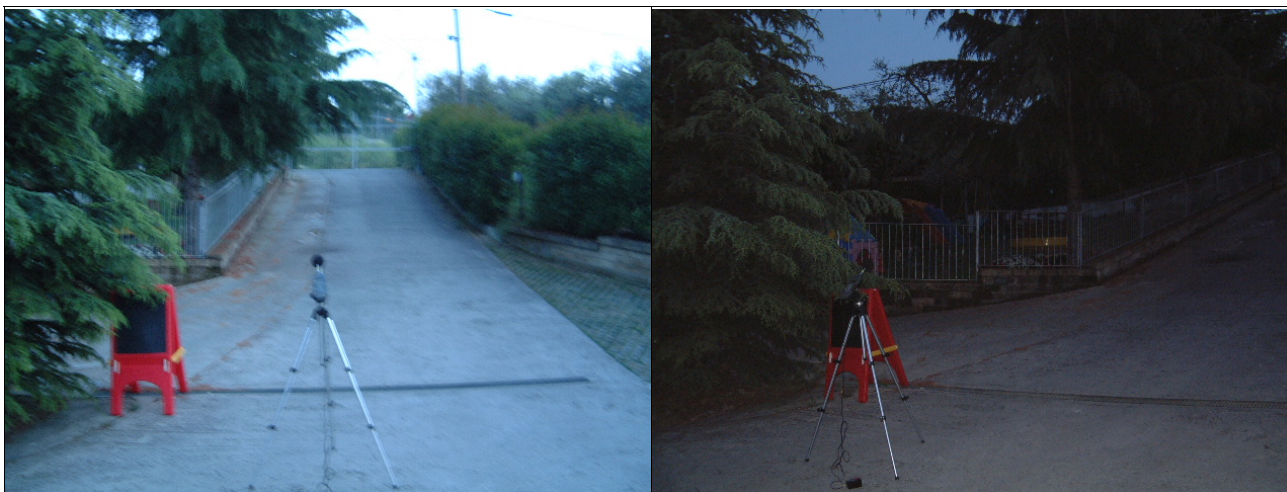
L90 = 51.4 dB(A)

L95 = 50.0 dB(A)

L99 = 45.4 dB(A)



SPOT07-B



UBICAZIONE PUNTO	COORDINATE UTM		
via Masci	x: 434196	y: 4690253	± [m]: 5

STRUMENTO	CALIBRATORE
Larson Davis LD 824 s. n. A0805	Larson Davis CAL200 s. n. 4521

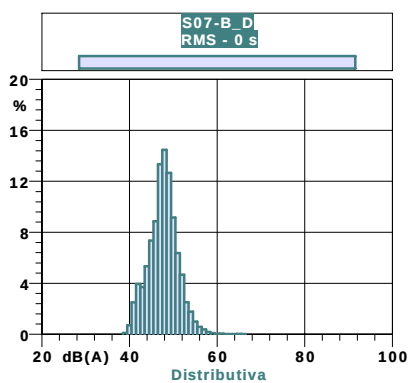
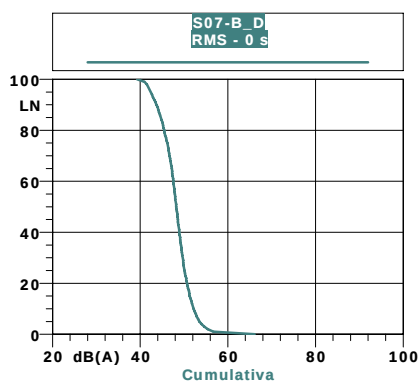
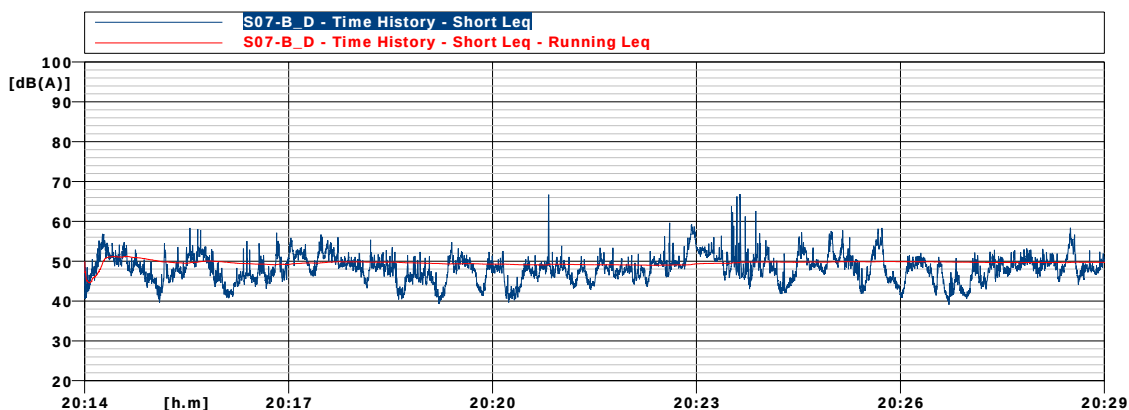
MICROFONO
Altezza da terra [m]: 1.5 Dist. bordo str./conf. [m]: 20 Dist. da sup. riflettente [m]: 10

TIPOLOGIA DELLA SORGENTE DI RUMORE					
☒ strada	☐ ferrovia	☐ fissa prod.	☐ fissa comm.	☐ fissa ricreativa	☐ altro:
Denominazione: via Masci					

MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{Aeq}
1	D	13/05/09	20:14	15'	-	-	-	49.6

NOTE
Punto di misura posizionato presso il giardino della scuola d'infanzia 'Il cucciolo'. La quota della scuola risulta essere inferiore di circa 5 m rispetto alla quota di via Masci, che in tale tratto si presenta con pendenza

TECNICO COMPETENTE	FIRMA
Andrea Rosati	<i>Andrea Rosati</i>



Periodo diurno
(06.00 - 22.00)

Ld = 49.6 dB(A)

L1 = 56.8 dB(A)

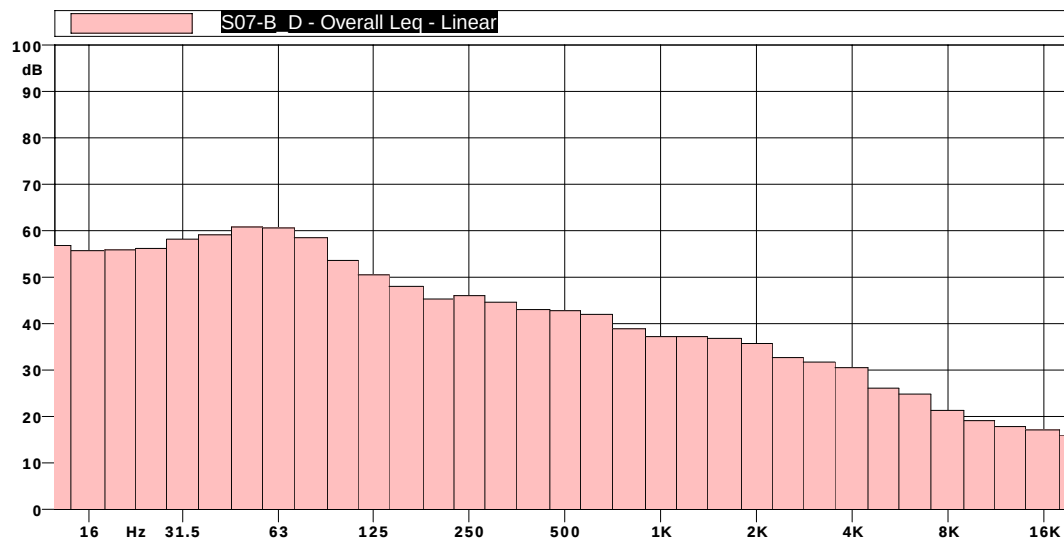
L10 = 52.2 dB(A)

L50 = 48.2 dB(A)

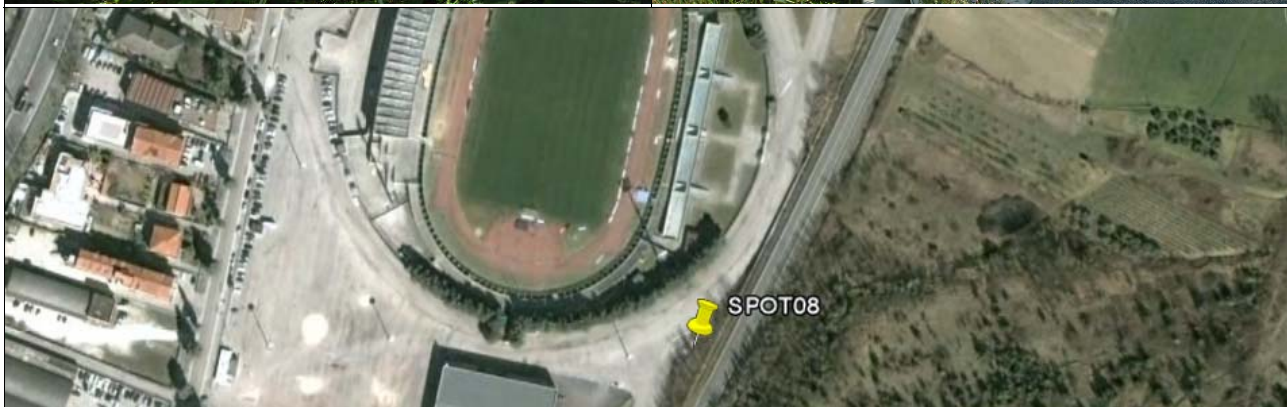
L90 = 43.7 dB(A)

L95 = 42.4 dB(A)

L99 = 41.0 dB(A)



SPOT08



UBICAZIONE PUNTO	COORDINATE UTM		
via Amiterno	x: 428926	y: 4688172	± [m]: 5

STRUMENTO	CALIBRATORE
Larson Davis LD 824 s. n. A0805	Larson Davis CAL200 s. n. 4521

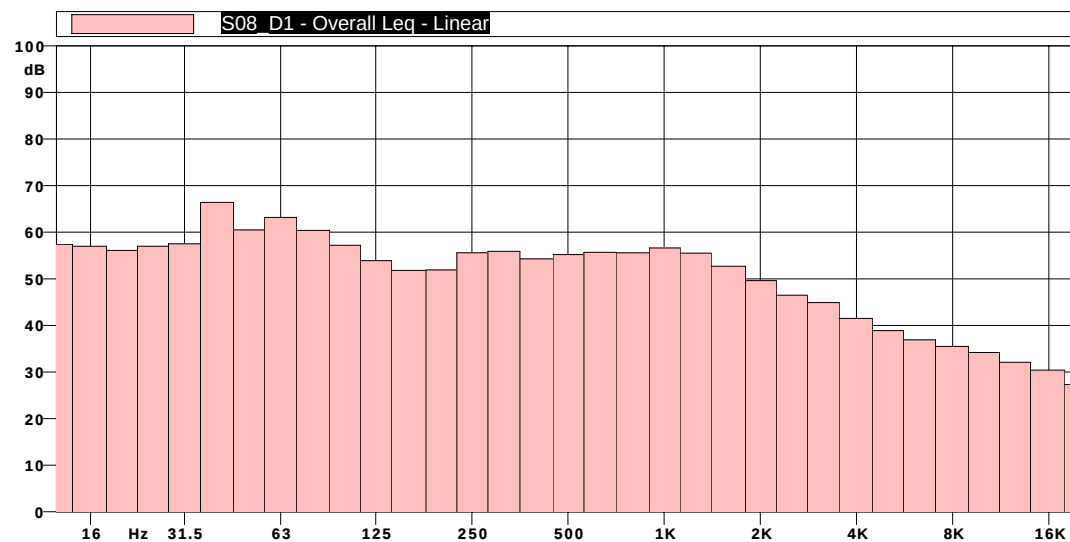
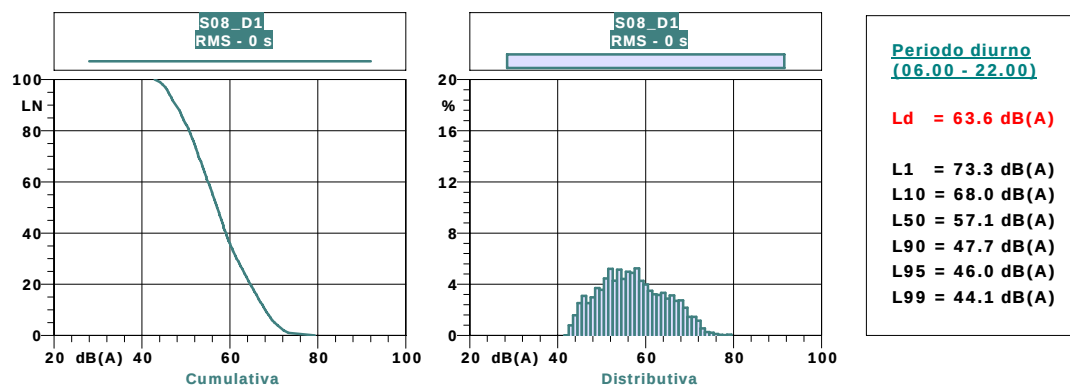
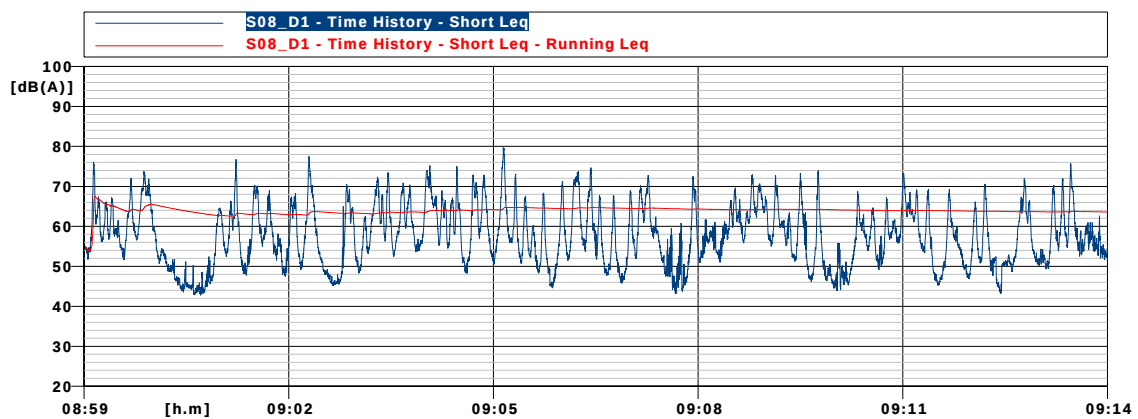
MICROFONO
Altezza da terra [m]: 1.5 Dist. bordo str./conf. [m]: 10 Dist. da sup. riflettente [m]: 10

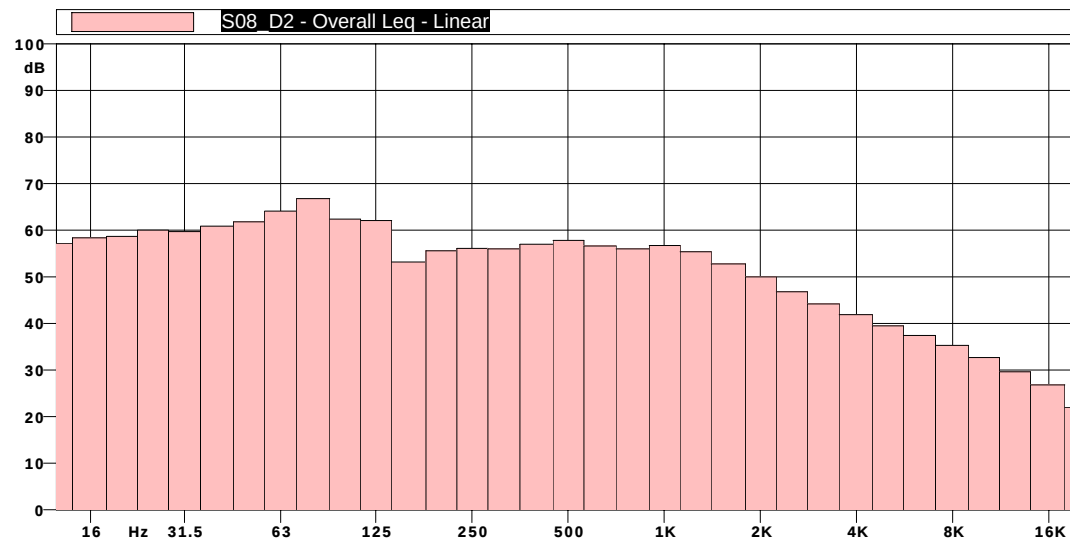
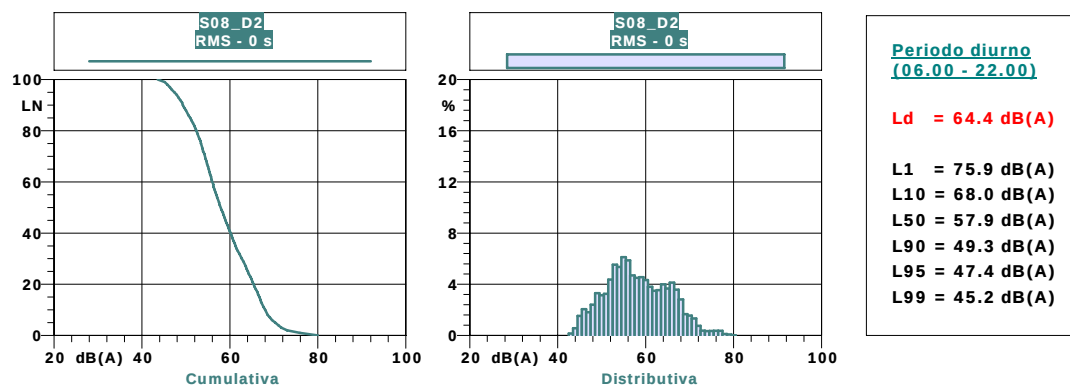
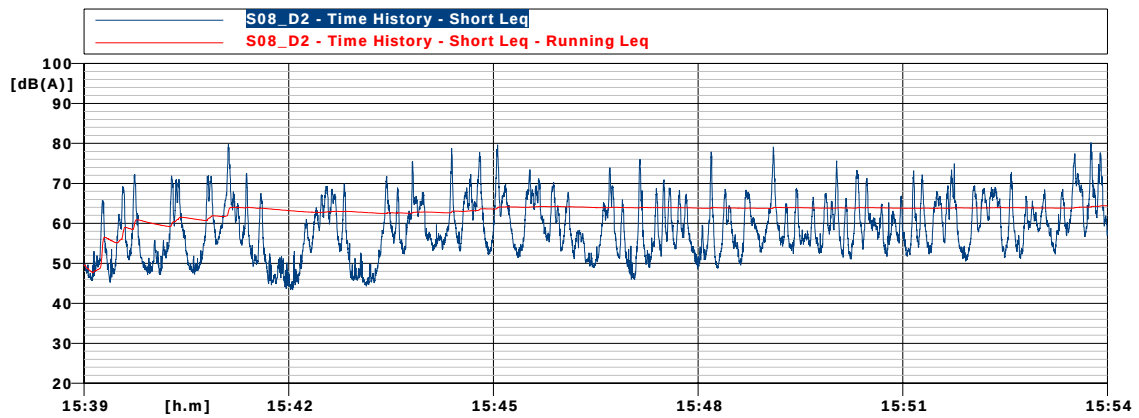
TIPOLOGIA DELLA SORGENTE DI RUMORE					
☒ strada	☐ ferrovia	☐ fissa prod.	☐ fissa comm.	☐ fissa ricreativa	☐ altro:
Denominazione: S.P. ex S.S. 656					

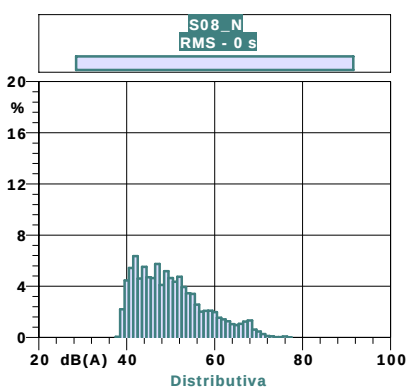
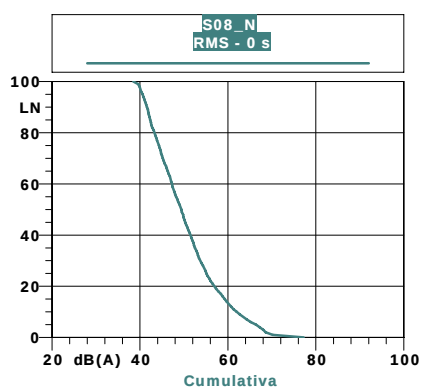
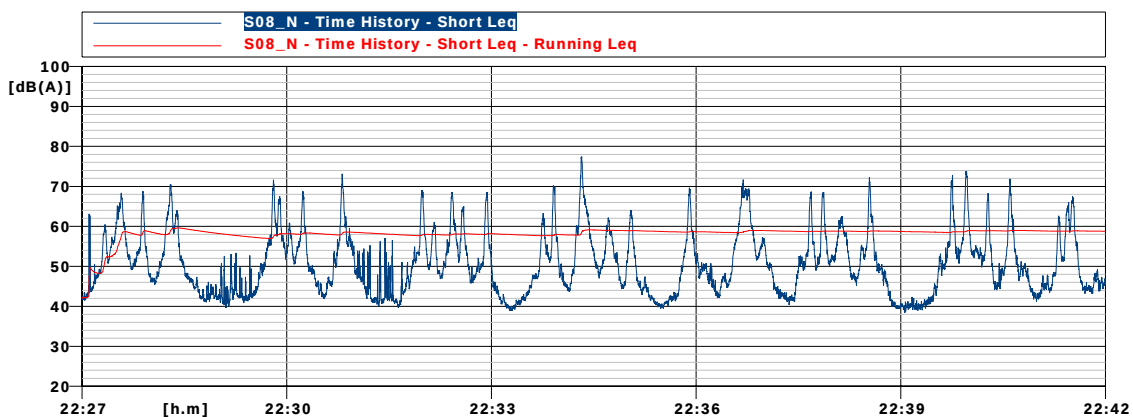
MISURA	PERIODO	DATA	ORA	DURATA	VEIC. LEG.	VEIC. PES.	VELOCITÀ	L _{AEQ}
1	D	14/05/09	08:59	15'	113	9	90	63.6
2	D	14/05/09	15:39	15'	111	14	90	64.4
3	N	13/05/09	22:27	15'	34	1	90	58.8

NOTE
Punto di misura posizionato all'interno della fascia alberata a lato dell'infrastruttura causa impossibilità di sosta (mancanza di aree adeguate). Rilievo eseguito a quota +0.5 m dal piano strada.

TECNICO COMPETENTE	FIRMA
Andrea Rosati	<i>Andrea Rosati</i>







Periodo notturno
(22.00 - 06.00)

$L_n = 58.8 \text{ dB(A)}$

$L_1 = 70.2 \text{ dB(A)}$

$L_{10} = 62.0 \text{ dB(A)}$

$L_{50} = 49.4 \text{ dB(A)}$

$L_{90} = 41.6 \text{ dB(A)}$

$L_{95} = 40.6 \text{ dB(A)}$

$L_{99} = 39.6 \text{ dB(A)}$

